19 48-49

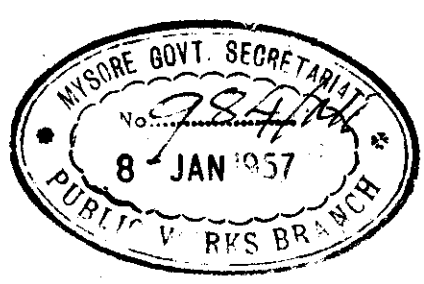
File No. 815/36

B CLASS

P-W. DEPARTMENT

Irri. BRANCH

Subject:— Daddi Dam Project on Ghatprabha River



B(1) 1149

711

Irri Br.

File No. 815/36

Std. Sectt Slip 24-B

G. R., G. D., No. 2408, dated 22-6-22.]

Std. Sectt. 78 a.

DOCKET SHEET

Subject:—
Daddi Dam Project

File No. 8151/36

P.W **DEPT.**

Irrgn **BRANCH.**

References:—

Date.	To whom sent.	Notes and instructions.
9/3/49	9B II	
21/4/49	R.R. 22/4.	M. returned herewith. 22/4
3/2	9B II	

D.O.No.Pm.Daddi/ 64

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar: 19 March 1948.

Dear M. Gurjar

In continuation of D.O.No.11, dated the 28th February 1948, I wrote twice to Rao Bahadur Surve (Prime Minister, Kolhapur) both officially and u.o. in connection with the lands of Kolhapur likely to be submerged in Daddi Reservoir.

2. He was requested to fix a date for discussion but avoided doing so (though he replied). Obviously he is overwhelmed with the serious situation of the state politics and has indicated that in his reply. I have indicated to him how it will be impossible for Bombay to exchange lands with sovereign powers.

3. I will persue the question but to me it is evident that it will be impossible to get Kolhapur to give their consent early. I am awaiting a further communication from R.B. Surve.

Yours Sincerely

Ye 22/3

N.P.Gurjar, Esquire, I.S.E.,
Chief Engineer & Secretary
to the Government of Bombay,
Public Works Department (Irrigation),
P.W.D.Secretariat,
Bombay.

I.B.(II)

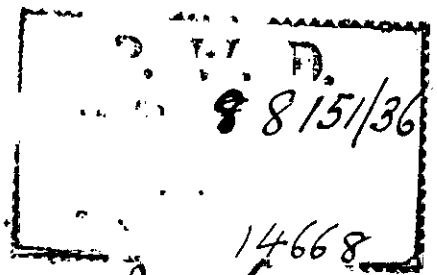
R WD.

For disposal pl. see aerial no. 14774. p.7 post

(BD)
3/4/48

Encl 2
2/3

8(1)22/



I.B (II)
24-3-48

Sites for Dams higher up in valleys of Ghataprabha, Tamraparni and Hiranyakeshi. Statement of approximate assured supplied in worst years (1918).

Site No.	Name of Stream.	Catchment area sq.miles.	Approximate run-off in worst years. M'cft.	Probable submergence, acres.	Population affected (probable)	No. of houses in village sites affected (probable)	Approximate height of dam above River bed Ft.	Approximate length of of Dam. Ft.
1.	2.	3.	4.	5.	6.	7.	8.	9.
1.	Ghataprabha River.	73	17,000	9,500	4,900	1,100	80'	2,700
2.	Tamraparni River.	29	6,500	3,100	1,900	550	95'	2,700) Tam-
3.	Dhotikand Nadi.	6	1,300	850	600	100	70'	4,000) ra-
4.	Halkarni nalla.	6	700	650	900	200	50'	5,300) parni
5.	Hankal Nalla.	17	1,800	1,500	1,100	250	55'	2,700) val- ley.
6.	Hiranyakeshi.	14	4,600	2,250	Details not available.		85'	4,000
			31,900	17,850	9,400	2,200		
	The following figures for Dam sites at Daddi are given for comparision with above.							
	Ghataprabha at Daddi (Andrew's site)	410	(not certain) 45000 (36000 only out of this are certain.)	35,000	35,000	4,300	115'	2,200

Superintending Engineer,
Special Investigation Circle.

Typed by G.19.3.
compared by 8/2/13

Very urgent.

No.B.M.Daddi/634

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar: 9 March 1948.

To

The Secretary to Government,
Public Works Department,
Bombay.

Subject: Storage on Ghataprabha : Alternatives to the site at Daddi.

Reference: This office No.Bm.Daddi/531, dated the 8th March 1948.

2. I attach herewith a statement giving some details of the sites for Dams in the upper reaches of Ghataprabha, Tamraparni and Hiranyakeshi viz.

(1) Catchment area.
(2) Approximate run-off. (certain)
(3) Area of lands likely to be submerged.
(4) Population likely to be ousted.
(5) Houses likely to be submerged.
(6) Height of Dam.
(7) Length of Dam.

All this is from topo sheets. But that is sufficient to indicate that they deserve to be surveyed.

3. A rough plan showing these sites is attached.

4. In addition to the advantages of

(1) Smaller area of submergence and population affected
(2) Lands of Kolhapur not involved,
and (3) Earthen dams in place of Masonry dams,

I will now add

(4) A number of small dams do not lock up capital unnecessarily. Storage will be utilised directly as every small dam is constructed.

This last is particularly important when out of over 30 crores required for Daddi Project, not more than 4 crores appear likely to be available in the first 5 years.

5. Approval of Government ordering these sites to be surveyed may kindly be obtained very early. Only 2 months are left before rains will begin and I think I should put all staff available on to this during this period. They can work on dry canal areas even in the rainy season. In fact I request expenditure to be authorised immediately.

Superintending Engineer,
Special Investigation Circle.

Copy to the Executive Engineer, Irrigation Projects Division (South), Belgaum.

2. No time should be lost in submitting the estimate as time left is short.

Typed by G.18.3

8151/36/12587

P. W. D.
File No. 8151/36
Serial No. 14774

8151/36/4774

AW.D.

I.B.(II)

Submitted together with serial No. P2 14668.

2. The main papers (file No. 8151/36/12587) containing the references quoted by the S.E., S.I.C. were given to the D.E.(I) as they were reqd. by the D.S. or the Secy:(Irrgn). Necessary action will be taken on these references when the papers refd. to above become available. P5

3. Please see para. 3 of S.E., S.I.C's letter No. B.M. Daddi/634 dated the 19-3-48. The plan refd. to therein has not been recd. so far. The S.E., S.I.C. may, therefore, be addressed in the matter as per draft P.8 put up for appl:-

Thro. D.S., F.B., and D.E.(I)

3/4/48

3/4/48

6/4/48.

J.A.S.

No. 8151/36-I.B.(II) Letter P.W.D. B.C., 7th April 1948.

To

The S.E., S.I.C.

Subject :- Storage on Ghataprabha : Alternatives to the site at Daddi.

Please send the plan refd. to in para. 3 of your p.5 ante. letter No. B.M.Daddi/634 dated the 19-3-48 as the same has not been recd. in this office so far.

D.A. Nil

By order etc.

BSP 3/4/48

6/4/48

6/4/48.

6/4

RECEIVED on 8/4/48

Very Urgent.
No.Bm.Daddi/

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 2nd April, 1948.

To

The Secretary to Government,
Public Works Department,
Bombay.

Subject: Storage on Ghataprabha:Alternatives to the site at Daddi.

Reference: This office letter No.Bm.Daddi/634, dated the 19th March 1948.

2. A survey estimate amounting to Rs.9048/- for carrying out preliminary investigations for the six dam sites referred to in my letter referred to above is submitted herewith for favour of very early approval and allotment of funds to the extent of Rs.9,000/-.

3. The importance of the work and urgency of taking it up early have already been explained in para 5 of my letter above-referred to. Surveys for L. Sections and trial pits should I think be started immediately. Favour of a very early approval and permission to start surveys immediately is, therefore, requested.

Superintending Engineer,
Special Investigation Circle.

typed by BLV.1.4.
Compared by:-

I. B. (II)

P.W.D.

For disposal pl. see serial no. 20196 p. 23 post

A.D.O.
25/9/48

P. W. D.
File No. 815/36
Serial no. 17468

4 F (II)

D.O.No.Bm.Daddi/

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar: 5th April 1948.

From:- Rao Bahadur N.S.Joshi, Esqr.,
B.E., M.I.E., M.R.San.I.,
Superintending Engineer,
Special Investigation Circle, Dharwar.

Dear Capt. Nanjappa.

You are probably aware that the Government of Bombay are very keen on the construction of Daddi Project, with a dam at Daddi on the Ghataprabha River. The dam will submerge large areas of lands both in the jurisdiction of the Bombay Province and some states (now merged in Bombay) and also of Kolhapur.

2. The Bombay Government have been in correspondence with the Kolhapur Durbar for very long time to settle upon terms under which the Kolhapur Durbar would agree to their lands being submerged. Last year when Mr.C.G.Kale was Chief Engineer, Public Works Department, he met Rao Bahadur Surve (Prime Minister) and it was then considered possible to exchange lands from this ~~lands~~, with sovereign rights.

This is our 90

3. I got in correspondence with Rao Bahadur Surve immediately after I took over, but found he was not able to take any action due to the political difficulties in the state during the past few months.

4. Now that you have taken over as Administrator, I would like to know what could be done in the matter. I would go to Kolhapur and see you if you

let me

let me know a suitable date. I want to make it clear (and I had informed Rao Bahadur Surve) that Government of Bombay are not prepared now to exchange lands.

An early line in reply will oblige.

Yours Sincerely

V.I. Nanjappa, I.C.S.,
B.Sc.(Hons),
Administrator,
Kolhapur State,
Kolhapur.

D.O.No.B.M.Daddi.

Office of the
Superintending Engineer,
Special Investigation Circle,
Dharwar: 24 April 1948.

Dear Mr. Gurjar

I send a copy of my letter dt 11-12 ante to Captain Nanjappa for your perusal. This is about lands in Kolhapur being submerged by Daddi.

Yours Sincerely

N. P. Gurjar, Esquire, I.S.E.,
Chief Engineer & Secretary to
the Government of Bombay,
Public Works Department,
P.W.D.Secretariat,
Fort, Bombay.

NG
7/6/4

No.Bm/Daddi. Office of the Superintending Engineer,
Special Investigation Circle,
C/N Dharwar, 8th April 1948.

To,

The Executive Engineer,
Irrigation Projects Division South,
Belgaum.

Subject:- Surveys on the Ghataprabha river etc.

Please concentrate on surveying the 6 sites for dams in the Tamraparni, Ghataprabha and Hiranyakeshi valleys so as to finish the surveys before rains. Staff on Malaprabh and Ghataprabha surveys should be put on to this work immediately.

2. It is essential to have a small party of 2 or 3 Overseers(and Sub-overseers) for each site, who should be directed to survey as under :-

(I) A section of the valley at the site proposed for Dam.

(2) Surveys for waste weir site

(3) A few trial pits for availability of rock for founds.

(4) Where possible, a bore to ascertain depth of rock in the river bed.

(5) Where an earthen dam is possible, collect samples of soils to be used for earthen dam.

(6) A contour for capacity to supplement topo-sheets contours, where necessary.

3. The work should be taken up immediately please.

Superintending Engineer,
Special Investigation Circle.

V/K.

Copy forwarded, with compliments, to the Secretary to Government, Public Works Department, Bombay, for information.

This is in accorance with personal discussion at Belgaum.

I.B.(II) P.W.D.

For disposal pl. see serial no. 20196. p-23 post

BOD.
25/11/48

DS DBS 12/4/48

Secy (Irrign) 9/12/48

8151/48

Sec(W) 9/4

V. D. 815-1/36

1/4/26

D.O.No. Bm/Daddi

Office of the Superintending En
Special Investigation Circle,
Dharwar, 16th April 1948.

Dear Mr. Gurjar

I am glad to inform you that negotiations with -- Capt.Nanjappa, Administrator of Kolhapur State, have been - fruitful. He has agreed to our proceeding with the construction of the dam at Daddi and has also expressed that the - Kolhapur State would not insist on exchange of lands with sovereignty rights. He was agreeable to any reasonable method of compensation and abatement of land revenue which he said would be decided at a conference shortly.

I may also refer to my proposals for alternative - sites for dams up the Ghataprabha, Tamraparni and Hiranyakeshi valleys. Though the difficult question of submergence of - lands of Kolhapur State has now been solved, the investigations into these alternative sites are worth being ~~carried out~~ carried on other grounds. I have already ordered the surveys of these to be taken up in hand and finished before rains.

vide his letter at p. 15 ante

The question of storage in the ~~Dam~~ lake has, I find, been a matter of controversy. For reasons already stated by me, I consider that we should design for the minimum run-off in a year like 1918. I, therefore, recommended 35,000 as storage in Daddi. I also recommend storages in the alternative sites for the minimum run-off. A reference to D.O.No.P-10/G/P/1514 dated 9th April 1947 from Mr.Mane to you, however, shows that you asked him to work out storages in the upper sites based on average rainfall conditions (53,000 for 1920).

X 8/5/1/36 Gurjar 20242 D.E.(?) as it was req by Mr. Jog (Irrign)

I know Mr.Mane has all along been working on the - lines of "Average"run-off and plus minus deviations and I do not know whether you asked him to submit data on the lines of these averages, or whether they were his own views. I would like to be enlightened on the principle Government would like me to follow, as many other cases,particularly, the "Asoga" - are dependent on this decision. Had I known the contents of Mane's D.O. before you left Belgaum, I would have opened the ~~top~~ topic myself and discussed it at full length personally. As it was he spoke to me about it after you left.

I continue to be a believer in the principle of storage being limited to "Run-off in the worst year" (e.g.1918); but for this our first class large tanks will have their - standard of "Dependability" reduced down to that of "Mhaswad." If you want me to write an independent complete note covering all points, I will do so. But if Government have already - taken a decision, I will like to be informed accordingly so that I may follow the same.

Yours Sincerely

Gurjar

To

N.P.Gurjar, Esquire, B.E.(M), I.S.E.,
Chief Engineer & Secretary to Government,
Public Works Department,
P.W.D.Secretariat, Bombay.

19/4/48

I.B (II)

P.W.D.

For disposal pl. see serial no. 20196. p-23 post

B&R
25/4/48

I (11) 19/4

P. W. D.
File No. 8151/36
Serial No. 20131

1914

I B (II)
19-4-48

No. Bm/Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 16th April 1948.

From

Rao Bahadur N.S.Joshi,
B.E.(Civil), M.I.E.(Ind.), M.R.San.I(Lond.)
Superintending Engineer,
Special Investigation Circle,
Dharwar.

To

Capt.V.Nanjappa, B.Sc.(Hons.), I.C.S.,
Administrator,
Kolhapur State,
Kolhapur.

Sir,

I have the honour to refer to our personal discussion on 15/4/48 at Kolhapur regarding lands of Kolhapur State which will be submerged by the Daddi Reservoir (Ghataprabha River), full details for which were already furnished to the Kolhapur Darbar last year.

I thank you for the assurance given that the Kolhapur State will have no objection to the Dam at Daddi being taken up for construction and that it will not insist exchange of lands with sovereignty rights. You were kind enough to convey that some reasonable method of compensation would be decided upon at a conference to be arranged shortly.

In the meantime you agreed to the Government of Bombay proceeding with the construction of the proposed Dam across the Ghataprabha river. I will be grateful for confirmation.

I have the honour to be,
Sir,
Your obedient servant,

Superintending Engineer,
Special Investigation Circle.

Copy with compliments to the Secretary to the Government of Bombay, Public Works Department, Bombay.

Copy to the Executive Engineer, Irrigation Projects Division (South), Belgaum.

I.B.(II)

P.W.D.

For disposal pl. see serial No. 20196. P WB post

BDI
25/4/48

DR. II 20/4.

2014

2014

P. W. D.
File No. 8151/36
Serial No. 20195.

I B II

9

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 16th April, 1948.

No.Bm.Daddi.

To

The Secretary to Government,
Public Works Department,
Bombay.

Subject: Daddi Project and the Ghataprabha Right Bank Canal.

I request favourof attention to Chief Engineer, Public Works Department's letter No.363/46-I dated the 26th September 1947. As requested by him in the last sentence, I request very early orders.

2. Records do not show that Government issued orders on the various issues raised. As records of the Chief Engineer, Public Works Department have been distributed amongst various offices and as no handing over notes were sent by the Superin-tending Engineer, Project Circle, there are chances of Government's reply to Chief Engineer's letter having been misplaced though issued. I have since recorded my views on some points in my letter No.Gh.L.B./528, dated the 8th/12th March 1948 while forwarding the financial forecast for the Daddi Project, e.g. the storage capacity of the lake.

9494136
13678

3. There are many points like the 12' depth of water and the lining of the canal regarding which I hold views differing from the Chief Engineer, Public Works Department. The method followed by the Executive Engineer for difficult portions of Ghataprabha Right Bank Canal of marking the points of balanced depth (with higher C.B.C.) by reference to cross sections plotted on the old alignment (surveyed in 1908 ~~or 1924~~) is not to be recommended; the assumption that longitudinal section between such consecutive points would have a balanced depth of cutting (an obviously incorrect assumption) has led to serious under-estimating. There should have been no difficulty in surveying the complete L. Section of Ghataprabha Right Bank Canal instead of the small bits near nalas.

4. The increase in depth of water from 8' to 12' will in my opinion increase losses. I do not think that 3" lining will stand on made banks. In cuttings too a 3" thickness will be insufficient and chiselling of rock necessary increasing the cost. The advisibility of keeping side slopes in the portion to be lined at 1½ to 1 is very doubtful. If lining is meant only as an economic proposition to reduce value of the rugocity coefficient, the design will need a complete review.

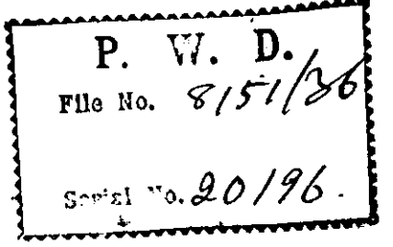
5. I request early orders so that work and time of surveyors may not be wasted. As it is, quite a major portion of work of both surveying and estimating for Ghataprabha Right Bank Canal will need repeating, I fear.

Superintending Engineer,
Special Investigation Circle

typed by blv.16.4.
compared:.by 16/4

ZP. 16,17
0.21

9.II 20/4.



8151/36/20196.

I.B.(II) P.W.D.

p.10

. Submitted together with serial nos. 17468, p 14 p 16 p.18 p 20
18023, 18426, 20131 and 20195.

2. The main papers (file no. 8151/36/12587) were given to D.E.(I) as they were reqd. by the D.S. or Secy. (Irrgn.). They have not been recd. back so far.

These are not with me 20.8.48 1/5

3. Serial nos. p.2 14668, p 14 18023 and p 20 20195: Further developments reg: the negotiations with the Kolhapur State may be awaited.

4. Serial nos. p.10 14774, 17468, p.16 18426 and p 18 20131: In view of the orders vide p. 15 ante. already passed by the S.E., S.I.C. to the Ex. Engr., Irrgn. Projects Dn. (South) in connection with the survey of the alternatives to the site at Daddi there is, perhaps, no urgency about the appl. to the survey estimate for this work submitted by the S.E. with his letter p 9 ante attached at the beginning to the docket of the p no. Bm. Daddi dated the 2-4-48 The plan refd. to by the S.E. in para. 3 of his letter p 5 ante dated the 19-3-48 was not recd. in this office and he has therefore been asked to send the same; vide. Q.L. No. 8151/36-I.B.(II) p 8 ante dated the 7-4-48. On receipt of the plan, the question of according appl. to the survey estimate will be taken up. The S.E. will be expedited for the early submission of the plan on return of these papers.

Orders, if any, are solicited on the last para. of S.E., S.I.C's D.O. No. Bm/Daddi p.17 ante dated the 16-4-48.

5. Serial No. 20196: Necessary action will be taken on this ref. when the papers refd. to in para 2 above become available.

Thro: D.E.(C)

C.O.B.
24/4/48

S. No. 17468. (P. 10 ante)

6 In ~~S~~. The papers submitted by the Secy (I) at his instructions the plan and proposals for 6 sites of storages were noted upon for further disposal. The papers are not yet received back. It is remembered, however, that the Secy (I) has issued instructions to proceed with the investigation of two of the proposed alternative storages. The S.E. S.I.C. has already instructed the Ex. Engr. Irrign. Projects (South) to concentrate on the survey of the six sites. Orders may issue whether the investigations should proceed only on two sites as indicated at 'A' above and if so the particular sites may kindly be indicated.

D.S.

A Secy. (Irrign)

(1) S. No. 18026 at p16 -

S. No. 18023 (14) & 20195 (20) These references pertain to the question of canals in the Kolhapur state. The Administration having indicated that construction can go ahead no further action is necessary.

S. No. 20131 (P. 18) Here he again reiterates his invitation & proposals to design the storages for the min. recorded run-off. It seems the question has been considered many a time not only in this particular case but in the case of other cases of the P.W. Irrign. schemes. It appears the discussion need not be pursued and in the case of the Jadali site the S.E. S.I.C. may be informed that Govt. considers that 45000 m. cft. may be assumed for design.

S. No. 20196. In this the S.E. S.I.C. refers to the letter of the late Ch. Engr. forwarding the proposals submitted by the Ex. I. P. Circle endorsed generally by the S.E. P.C. of the Construction of the Ghataprabha Right Bank Canal. In the main file in which these references are arranged M.R. G.G. Bhende, late Dy. Secy (I&R) had drawn up a note on the proposals. This note was forwarded to the S.E. S.I.C. for his consideration & for favour of communicating his views on the points discussed in the note. As far as is remembered the S.E. S.I.C. has not submitted a full note in reply to the reference. Instead he has since then submitted various proposals comprising:

(1) Construction of the Ghataprabha L.B. canal for the first 44 miles to function as a monsoon canal without a storage.

(2) The Daddi Storage should be designed for 35200 m.c.ft. (The min. sum. c.f. - 1918).

(3) In view of the large cultivable area that will be submerged under the Daddi Storage and such area forming part of the Kolhapur territory. The high Storage should be replaced by small storages giving the total storage of 35200 m.c.ft.

(4) The Ghataprabha Rajiv

Bowli canal should take off from the Jhunjhalal weir itself.

In the circumstances it seems that no orders can be issued on the letter of the Ch. Engr. referred to in para 1 of his letter (P. 21 ante). On the other hand it seems necessary to expedite him to submit his self contained report with ref. to the Ch. Engr's letter which he refers to and Mr. Jhanak's note.

I shd like to see both of these

1/5/48

28/4/48

Margin

The Survey estimate may be approved.

1/5/48

Secy (I)

The Survey estimate should be examined. He should carry out survey in the manner as he thinks to be the best.

4/5/48

Decision on the specific points raised will require some time for consideration. The SE may be asked to write out a separate note on all the points he wants decision without mixing them up with previous references

Secy

No. B.M.Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 22 April 1948.

To

The Secretary to Government,
Public Works Department,
B O M B A Y.

Subject: Storage on Ghataprabha: Alternatives to the Site at Daddi.

Reference Government Letter No.8151/36-I-B.(II) dated the 7th April 1948.

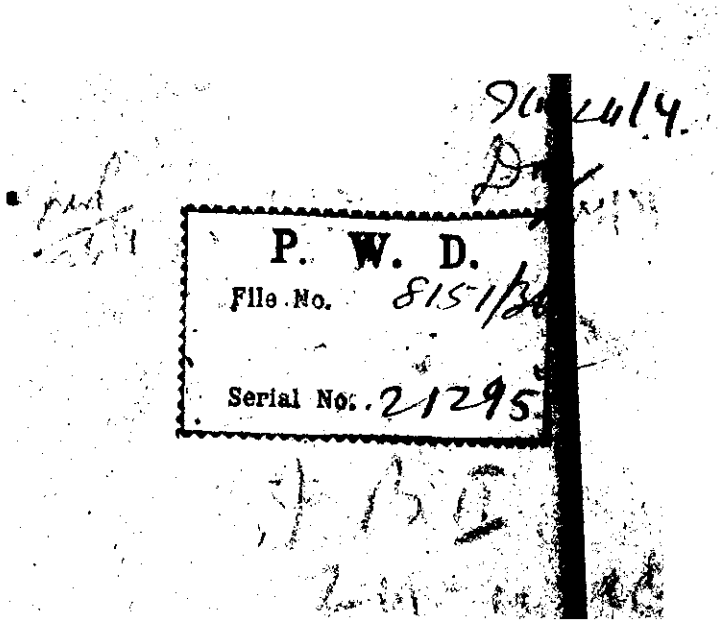
2. The plan in question is attached.

3. Failure in sending it along with this office No. B.M.Daddi 634 dated the 19th March 1948 is regretted.

Superintending Engineer,
Special Investigation Circle.

D.A: 1 Plan.

BR/22-4-48.
Compared by:


P. W. D.
File No. 815/1
Serial No. 21295

No.C50-58, of 1948. Office of the Administrator,
Kolhapur, 19th April 1948.

From:-
The Administrator, Kolhapur State,
Kolhapur.

To:-
Rao Bahadur N.S.Joshi,
B.E.(Civil), M.I.E.(Ind), M.R.San.I.(Lond.),
Superintending Engineer,
Special Investigation Circle, Dharwar.

Sir,

With reference to your letter No.BM/Daddi dated 16th of April 1948 I have the honour to inform you that the Kolhapur State will have no objection to the Dam at Daddi being taken up for construction. Some reasonable method of compensation will have to be decided upon at a Conference to be arranged shortly.

I have the honour to be,
Sir,
Your Obedient servant,

Sd/-
for Administrator,
Kolhapur State, Kolhapur.

No.BM/Daddi. Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar: 23rd April 1948.

Copy with compliments to the Secretary to Government,

Public

Public Works Department, Bombay for information in continuation of this office No.BM.Daddi, dated the 16th April 1948.

Superintending Engineer,
Special Investigation Circle.

Typed by G.22.4
compared by

P. W. D.
File No. 8151/36
Serial No. 21871

P. W. Deptt.

I.B.(II).

Resubmitted(together with serial Nos. 21295 and 21871). p 30. p 32

2. Serial No. 21295:- This has ref. to C.L. No. 8151/36-I.B.(II), dated the 7-4-1948. If the survey estimate amounting to Rs. 9048/- for carrying out preliminary investigations in connection with the alternatives to the site at Daddi, forwarded by the S.E.,S.I.C. with his letter No. BM.Daddi, dated the 2-4-1948, is in order, it may be administratively approved and he may be authorised to incur expenditure on the work after u.o.r. to the F.D. The necy. draft is put up for approval. p 30 ante p 8 ante p.9 ante p 35 post

3. Serial No. 21871:- The Administrator, Kolhapur State intimates that the Kolhapur State will have no objection to the dam at Daddi being taken up for construction and that some reasonable method of compensation will have to be decided upon at a conference to be arranged shortly. It is presumed that the S.E., S.I.C. will take steps to arrange a conference to decide a reasonable method of compensation. If so, no further action is called for from this office in the matter except to await the furtner developments. p 32 ante

4. The necy. draft to the S.E.,S.I.C. is put up for appl. with ref. to the orders passed at p. 26 ante. p 36 post

5. As regards Deputy Secy.'s marginal note dated the 1-5-1948, it may be stated that the references will be put up to him when the main file containing them becomes available. p. 26 ante

6. The papers may be shown u.o. to the F.D. after issue of the draft put up to the S.E.,S.I.C. reg: submission of a note on which Govt. orders are required by him p 36 post

Thro' A.B.(II) and D.E.(I).

KCJ:
6-5-48.

7/5/48 6/5/48 7-5 8/5/48 8/5

Secy (Irrign)

8151/36/21871

Letter.

No.'8151/36-I.B.(II).

P. W. Deptt.
B. C., 14 May 1948.

To

The S. E., S. I. C.

Sub:-Storage on Ghataprabha:
Alternatives to the site at Daddi.

Ref:-Your letter No. BM.Daddi, dated the 2-4-1948. p.9 ante

2. The survey estimate amounting to Rs. 9048/- for carrying out preliminary investigations to find out alternatives to the site at Daddi on the Ghataprabha river is administratively approved and is returned herewith.

3. Expenditure on the work is hereby authorised under the head "18-A(2)Misc.Expdne.-Other charges - P.W.R. & D.P." The exact amount required during the current year should be reported to Govt. in due course, when a source to meet the charge will be pointed out.

4. A.37 - 4-M

By order etc.

D.A.-Estimate.

Copy forwarded to -

the F. D.,
the A. G., Bombay (thro' the E.D.).

KCJ.
6-5-48.

ISSUED
6/5/48

6/5/48

Orders issued after consultation with Finance Department.

8/5/48

Secy (Irrign)
(2 drafts)

8/5

Letter.

No. 8151/36-I.B.(II). P. W. Deptt.
B. C., 10th May 1948.

To

The S. E., S. I. C.

Sub:-Daddi Dam Project.

Ref:-Paras. 1 & 2 of your letter No. EM,Daddi, dated the 16-4-1948.

2. Neither any orders have been passed so far on the late C.E.,P.W.D.'s letter No.363/46-I, dated the 26-9-1947, nor are proposed to be issued ~~on it~~ by Govt. You are therefore requested to write out a separate note on all the points on which you require orders of Govt. without mixing them up with the previous references and submit it to Govt. as early as possible.

By order etc.,

D.A.-Nil.

KCJ.
6-5-48.

Letter.

No.8151/36-I.B.(II). Public Works Department,
Bombay Castle, 10th May 1948.

To

The Superintending Engineer,
Special Investigation Circle.

Subject :- Daddi Dam Project.

Reference : Paragraphs 1 and 2 of your letter No.BM,Daddi, dated the 16th April 1948.

2. No orders have been passed so far by Government nor are proposed to be issued on the late Chief Engineer, Public Works Department's letter No.363/46-I, dated the 26th September ~~1948~~ 1947. You are, therefore, requested to write out a separate note on all the points on which you require orders of Government without mixing them up with the previous references and submit it to Government as early as possible.

By order of the Governor of Bombay,

for Secretary to the Government of Bombay,
Public Works Department.

D.A.-Nil.

PSM.
10/5/48.
-2.

ISSUED
on. 11/5/48

W.O. & H.D. ℓ 13/5148 with estimate

FINANCE DEPART
No.
Date 13-5-48
Serial No.

F.D (PWR I)

The rates proposed by P.W.D may be agreed to; subject to the presumption that the stores in the estimates is given sanctioned scale & pay.

17/5/48

17.5.48.

20/5/48

I (1) 245

I. W. D.
File No. 8151/36
No. 26957

W.O. & H.P.W.D ℓ 21.5.48
(certd estimate)

ℓ 1 : 0 pay
2 2 : 0 0 allce
21/5/48

I.B.(II) P.I.W.D.

Submitted

2. In view of the F.D's. note at P.38 ante dated the 17-5-48 the draft at P.35 ante may issue, if appd., with the following para added to it:—

"4. The establishment provided for in the estimate should be given rates of pay and allowances as admissible under the general orders of Govt."

Thro. E.B.(II).

26-5-48

Dy. Secy. (Imp.)

Issue draft on P.35 with addition of para 4 and return the 3 copies.

Also issue copy of Govt. of India letter No. [illegible] dated [illegible] to all Provincial Governments.

Letter.

No.8151/36-I.B.(II). Public Works Department,
Bombay Castle, 29th May 1948.

To

The Superintending Engineer,
Special Investigation Circle.

Subject :- Storage on Ghataprabha:
Alternatives to the site at Daddi.

Reference : Your letter No.BM.Daddi,dated the 2nd April 1948.

2. The survey estimate amounting to Rs.9048/- for carrying out preliminary investigations tofind out alternatives to the site at Daddi on the Ghataprabha river is administratively approved and is returned herewith.

3. Expenditure on the work is hereby authorised under the head "18-A(2)Miscellaneous Expenditure-Other charges - Post War Reconstruction and Development Programme". The exact amount required during the current year should be reported to Government in due course, when a source to meet the charge will be pointed out.

4. The establishment provided for in the estimate should be given rates of pay and allowances as admissible under the general orders of Government.

By order of the Governor of Bombay,

for Secretary to the Government of Bombay,
Public Works Department.

D.A.-Estimate.

Copy forwarded to -

the Finance Department,
the Accountant General, Bombay (through the Finance Department).

PSM.29/5/48.
-6.

Special Investigation Circle,
Dharwar, 28 Februaty/48.

Dear Mr. Gurjar

Your D.O.No. 8151/36-I.B(II) dated 24-2-1948.

I am arranging to meet Mr Surve, Prime Minister, Kolhapur, and will write to you as early as possible.

Only last week, I sent him a reminder officially through the Regional Commissioner for Deccan States requesting him for further communication in the matter, as nothing was heard after Mr. Kale (late Chief Engineer, P.W.D.) met him in September & submitted his report.

Yours sincerely

To,

N.P.Gurjar, Esquire, I.S.E.,
Chief Engineer, P.W.D.,
Irrigation and Railways,
Bombay.

28/2/48

8151/36/10660 44

I.B.(II) P.W.D.

Submitted for information.

2. The main papers containing the ref. quoted by the S.E., S.I.C. are under submission to the H.Ms., P.W.D. and Agri. Since 26-2-48.

Await

B.P.P. 3/3/48

DS 3/3/48

DS

Await 10/3 in Bv 3/3

A.W.P. 3/3.

A.W.P. 12/3

2(II) 2/3

8151/36

2/3

10660

3.3.48

No. 51 of 1948
Prime Minister's Office
Jamkhandi 10th Jan. 48.

From

Rao Bahadur N. K. Lele, B.A.LL.B.
Prime Minister, Jamkhandi State,
Jamkhandi.

To

The Secretary to the Government of
Bombay, B o m b a y.

Sub:- -- Ghataprabha Irrigation project - Belgaum and Bijapur District --

Ref:- Letter No. 363/46-I dated 26th Sept. 1947 from the Chief Engineer, P.W.D. & Poona. ---

Sir,

I am directed to intimate the consent of the Jamkhandi Darbar to the project.

I have the honour to be
Sir,
Your most Obedient servant

Prime Minister, Jamkhandi.

Copy forwarded with compliments to the Chief Engineer, P.W.D.Poona.

8151/36
2314

I.B.(II)

P.W.D.

Submitted.

2. A copy of this letter has already been recd. and submitted separately*. In view of this, no further action is necessary on the ref. except to keep it on the main file.

*In file No. 8151/36/2013

26/1/48

26/1/48

26/1

J.A.S.

IB(II) 15/1

D. D.

8151/36

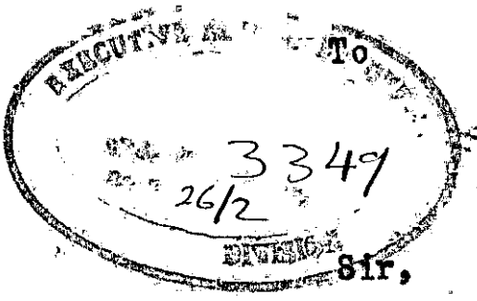
2314

14-1-48

No.PW/22/ 466 Of 1948.

OFFICE OF THE STATE ENGINEER,
Kolhapur State,

KOLHAPUR- 28 FEBRUARY 1948.



To

The Executive Engineer,
Irrigation Project Dn.,
(South) Belgaum.

Subject:- Daddi Project --

Sir,

In continuation of this office No.PW/22/3791 dated 24th Sept.1947, I have the honour to forward herewith - following 13 maps of villages of the Kolhapur State in - connection with the above project from the jurisdiction of Kolhapur State. --

1) Kamankop	2	copies.
2) Udapudi	2	"
3) Bidaki	2	"
4) Raibag	3	"
5) Bastawad	1	copy
6) Morab	1	"
7) Nidgundi	1	"
8) Koni Chandargi	1	" with 5 parts.
Total..	13	Maps.

2. As for the maps of (1) ~~Hesur~~ (2) Timmapur and (3) Yenkatpur - these places being the hamlets of (1) Kamankop (2) Budnur and (3) Udapudi respectively, they - ~~have no separate maps for themselves independently and~~ are not, therefore sent. The maps of the main villages, however, are sent.

3. The maps of the remaining three villages namely (1) Kesarkop (2) Saleli (3) Gudumnal cannot be supplied as there are no spare copies of the same.

4. The village maps sent under this office No. - mentioned above may please be returned early when done with

5. Please acknowledge.

Your most obedient servant,

Encl:
13 Maps.

sd/ A.B. Haval
STATE ENGINEER KOLHAPUR STATE

SBM/18.2.

Copy forwarded, with compliments to:-

1) The Chief Engineer, P.W.D.Poona, with ref. to his No.363/46-I dated 10th July and 3rd Sept.1947.

2) The Supdtg. Engineer, Project Circle Poona, for information.

A Haval 21-2-48
STATE ENGINEER KOLHAPUR STATE

SBM/18.2.

28/2

No. C/17: 081948

Poona 1/5 February 1948

Missent.

Forwarded with compliments to the Chief Engineer, Public Works Departments, Secretariat, Bombay for whom it is intended.

M B Shirlekamb
28/2/48

Executive Engineer.
Poona West Division

28/2/48

9(11)8/3.

P. W. D.
File No. 8/51/36
Serial No. 10815

I.B.(II) B.W.D.

Submitted for information.

11/3/48

3/3.

11/3/48

A.S.

11/3

No.Bm.Daddi/ 53\ Office of the Superintending Enginee
Special Investigation Circle,
Dharwar, 8 March 1948.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject: Storage on Ghataprabha:
Alternatives to the site at Daddi.

A study of the toposheets of the Ghataprabha and Tamraparni Valleys, has revealed that there are several sites on the two rivers upstream of Daddi which are as good as Daddi and probably better. In any case they have the following definite advantages.

(1) The rice fields submerged and the population ousted will be nearly half of that involved in the Daddi site.

(2) No lands in Kolhapur State are submerged and this, therefore, solves a very difficult problem

(3) Earthen dams (which will be cheap with machinery) will be possible, heights being smaller.

2. It is true that 3 or 4 smaller reservoirs will have to be constructed to make up the full storage capacity required and the run-off available, but that is probably an advantage for more reasons than one.

3. I think it is highly desirable to investigate into these sites in detail. I am inspecting these visually shortly and a survey estimate for full investigations will follow.

The proposal to survey these sites, will it is hoped, be appreciated and accepted by Government.

O.C.approved by
S.E.
D.A.:- Nil.

for Superintending Engineer,
Special Investigation Circle.

Copy to the Executive Engineer, Irrigation Projects Division (South), Belgaum.

2. Please submit immediately survey estimate.

Typed by G.S.S.
Compared by S/R.

50

Submitted.

The proposals to only mean to start the Dadeldhura Project all over again. Also there are mentioned so briefly as would give no idea of the alternatives resulting in reclamation of land by submergence and making the problem of resettling the displaced people more easy. Regarding cost the I.E. indicates they it may be higher. Again there is no indication of the time involved in investigating the new sites. It seems that proposals which have been invited from the I.E.S.I.C. 29. The resettlement of displaced people in higher reaches of the tank catchments should solve to some extent the problem in the large storage at Dadeldhura. The proposals now made have no other merits and may not be approved.

9(11)11/3

19.3.48

Regarding the H.M. Agreement 1943 mentioned at p. 194 ante information is put up as directed by the D.S.

19.3.

10/B

P. W. D.
File 8151/36
Sub 12587

D.S.

Secy(I)

xp 194 of file no. 8151/36 part II
(x) p 31 of file no 9194/36/13678

Reference H.M. Agriculture's minute dated 3-3-48 and H.M. P.W.D's instructions thereon.

2. The S.E. S.I.C. has submitted a note on the Daddi Project vide his letter No.Gh.L.B/528, dated 8/12th March 1948. He has also raised the question of storage capacity of Daddi Lake vide his letter No.M.I.(1)/D-2, dated 26th Feb. 1948. In that connection, he has also submitted a D.O. letter dated 28th Feb. 1948.

The Storage capacity of the Daddi Lake

3. The S.E. has given the figures of runoff at Daddi, as recorded for 24 years from 1903 to 1926. It is seen therefrom that the worst year's runoff was 34970 Mcft. in 1918 and the next worst was 39100 Mcft. in 1905. He states that "designing a dam to store anything in excess of this, entails uncertainty of supply and hence danger to crops worth crores of rupees, unless a large 'carry over' is allowed for, which last too has a serious effect on the financial return".

4. The above statement of the S.E. is not only fallacious but contrary to modern practice. By scrutinising the figures of runoff available for 24 years, it is seen that we get

Over	100000	Mcft.		once	in	24	years.	
"	90000	"	for 4	years	"	"	"	
"	80000	"	" 5	"	"	"	"	
"	70000	"	" 10	"	"	"	"	
"	60000	"	" 18	"	"	"	"	
"	53000	"	" 22	"	"	"	"	

Government cannot allow nearly 18000 Mcft. to run to waste for 22 years in 24 years to avoid "uncertainty of supply". Further it should not be inferred from the above that in about 2 years in every 24 years, supply would be deficient. 1918 was an ...

an abnormally bad year. Recurrence of such bad years is rare. For this purpose, we must analyse the figures of runoff according to the Laws of Probability. Unfortunately I cannot get enough time to do this but I may state that for the Koyna catchment, the Gupchup Committee has worked out that by the Laws of Proba-bility, a runoff as low as 62500 Mcft. (1918 runoff was 66000 Mcft.) would have a frequency of 1 in 1000. This would indicate that years like 1918 and 1905 occur once in a while and very often not in the same century.

5. I am also unable to appreciate "the danger to crops worth crores of rupees, unless a large carry-over is allowed for." This is definitely not so. According to our present practice, we never enter into firm commitments to the extent of full stored capacity minus losses. Our firm commitments are

(1) Perennial blocks.

(2) Other perennial blocks.

(3) Two Seasonal blocks.

On our present canals, the % of perennials viz. sugarcane, is about 10% of the total cropped area and, "other perennials" even less. Our total "firm" commitments usually are 50 to 60% of the stored capacity and if sanctions on Form VII are withheld in an abnormal year, we should be able to meet our commitments. Moreover, stopping of water to the two seasonal blocks would not result in "danger of crops worth crores".

6. Quite apart from the above arguments, a Nation cannot afford not to utilise large quantities of water year after year, only because once in one hundred years, that supply may dwindle down to 2/3 of the storage capacity. While in Madras, one of their Irrigation Dy.Chief Engrs. told me that they had already tackled and completed projects where assured supply was to be had

for ...

for more than 12 years in 20 years. They were now seriously considering projects where supply could only be assured for 6 to 10 years in 20 years. I am therefore of opinion that we should design the dam at Daddi to store if possible even 53000 Mcft. but in no case less than 45000 Mcft. for which capacity the S.E. states, a dam is already designed and and estimate ready. I may immediately add that I do not propose that Govt. should build the dam to its full height now but I would revert to this point later.

7. The "carryover" -- if thereby is meant the quantity of water that would be carried over on the latest date of replenishment -- is really unnecessary. What is required is to keep in reserve enough quantity of water to tide over from the end of the Hot Weather season viz. 14th June till the latest date of replenishment. For example such a date may be the 5th of July in which case we must have enough storage left on the 14th of June to suffice for irrigating the standing crops till 5th of July. Anything over and above this is normally a waste of storage in case of irrigation works.

Canals

8. For the present, we should construct the Left Bank Canal only, leaving the problem of constructing the Right Bank Canal -- whether from Daddi or from Dhupdal -- to a later date. The capacity of the Left Bank Canal should be restricted to 1540 or 1500 cusecs, as already proposed. The area under command of the Left Bank Canal is 4,45,800 acres and it should be possible to attain 50% concentration viz. to irrigate nearly 2,23,000 acres. In this connection, a few details of Nira Right Bank Canal would be helpful to arrive at the probable figures of irrigation on Ghataprabha Left Bank Canal.

	.Nira Right Bank Canal.	Ghataprabha Left Bank Canal.
Culturable area	4,47,726	4,45,800
Discharge at head of canal	1500	1540
Main canal and branches	162 miles.	148 miles.
Area irrigated		
Sugarcane	18,400 acres.	20,000 acres.
Fruit & other perennials	1,100 "	1,500 "
Eight months	3,400 "	25,000 "
Rabi	71,700 "	75,000 "
Monsoon	85,000 "	1,00,000 "
	1,79,600	2,21,500

9. Water requirements of the proposed irrigation would be about 21000 Mcft. and with losses etc., a storage of 25000 Mcft. would suffice. I therefore suggest that though the dam should be designed for a storage capacity of 45000 or even 53000 Mcft., the dam should be built up to store only 25000 Mcft. or so. The waste weir possibilities are not known to me nor is it known whether a suitable saddle is available. If that be so, we should build upto a height, which will be helpful from the point of view of surplussing flood discharge. We can provide automatic gates upto a height of 20 ft. and these can be installed if and when the Right Bank Canal is constructed. The storage capacity can thus be anything above 25000 Mcft. upto 36000 Mcft. to suit site conditions, due provision being made to raise it by installing gates upto 45000 Mcft. or even 53000 Mcft. if required.

Other Sites

10. The Daddi site has been under consideration for decades. We should not now start searching for other sites. It would put the Project off by at least 3 to 5 years as fresh surveys, boring of foundations etc. will have to be started.

11. ...

11. If the Right Bank Canal Project -- whether from Daddi or Dhupdal-materialises and if the area under its command would require more storage than what the raised Daddi dam could not provide, then we can certainly investigate damming the Harankeshi. All this can however be left over.

Financial return

12. The financial return of the first stage scheme would be definitely poor. It has been very roughly worked out. It shows a percentage return of 0.34 %. By imposing a Betterment levy, as well as an Irrigation cess, the return would probably come to about less than 1 %. The scheme therefore appears financially unsound but it is for consideration whether it should be undertaken in view of its great scope for supplementing the output of food-crops and meeting the legitimate demands for irrigation water of that tract.

vide next page

BVK.
22.3.48.

13. Another point that has since struck me is that Govt can build up a larger storage & utilise the waters surplus to requirements for hydro-electric generation by taking full advantage of the Gokak falls.

DPS 22/3/48

Secy(9)

Cost of the Project.

Dam (to hold 25,250 Mcft.)	Rs.	864	Lakhs.
Canal	Rs.	880	"
Cost of existing Works (excluding accumulation of arrears of interest -- which is Rs. 4 Lakhs).	Rs.	16	"
	Rs.	1760	Lakhs.

Revenue realisable from Water rates on the Ghatabrabha Left Bank Canal.

Crop.	Area acres.	Rate per acre. Rs.	Amount. Rs.
Sugarcane	20,000	60/-/-	12,00,000
Fruit & other perennials.	1,500	30/-/-	45,000
Eight months.	25,000	10/-/-	2,50,000
Rabi	75,000	6/-/-	4,50,000
Monsoon	1,00,000	4/- /-	4,00,000
	Total	Rs.	23,45,000
Revenue from Gokak Mills		Rs.	14,313
M.& S.M.Rly.		Rs.	600
	Total	Rs.	23,59,913
	Say	Rs.	23,60,000
Deduct working expenses at one per cent of cost		Rs.	17,60,000
Net Revenue		Rs.	6,00,000

which is 0.34 % on the capital cost.

	Rs.
Probable Irrigation cess at Re.1/- per acre on 3,80,000 acres	3,80,000
Probable Irrigation cess at Rs.4/- per acre on 65,000 acres (perennial).	2,60,000
Total Rs.	6,40,000

This would mean that out of prospective revenue of Rs.23,60,000 an amount equal to Rs. 11,20,000 (17,60,000 - 6,40,000) will have to be earmarked towards Working expenses, leaving only Rs. 12,40,000 towards interest on capital.

With ...

With a betterment levy of Rs.100 per acre, the amount realised would be Rs. 4.45 crores. The sum at charge will assume a very high figure by the time the betterment levy is fully recovered. Even then, the interest would not come upto 1%.

BVK.
22.3.48.

Chief Engineer's Note.

The capacity of the Daddi Storage.

The S.E. has tried to make out a case for a very safe storage for which purposes he takes the run-off of the worst year and suggests that the safe storage should not be more than 35,000 m.c.ft.. I do not think that this is a wise course. Such an occurrence is not likely to occur very frequently and as pointed out by the Deputy Secretary we cannot afford to lose the potentialities of a catchment by having too small a storage. Even taking for granted that the worst year repeated once in 26 years, it would certainly not be calamitous to restrict the irrigated area, as our programmes are never 100% rigid. We have about 75% commitments which are of a permanent nature and the remaining 25% are such that they could be reduced in a bad year, without affecting our permanent liability. A safe storage for this valley at the Daddi site should certainly be about 50,000 m.c.ft.. Anything less than this would not utilize the resources of this valley to the fullest extent.

Dam site.

Deep bore holes have been taken on the proposed dam site and the rock cores obtained from these bores have been examined by a Geologist, who has given his opinion that the strata is suitable for founding the dam.

Waste weir.

A waste weir of the orthodox type, viz., one in a saddle is not obtainable at this site. It is therefore proposed to pass the discharge through under-sluices and through syphon spillways. Though this

this is not the very best method of passing the flood, in the absence of any better arrangement, may be adopted, as the maximum discharge has never been stated to be over 2,50,000 cusecs in the highest floods.

Cost.

The estimated cost of the dam has been put down at 9.6 crores, out of which Rs. 2 crores is the cost of the dam proper and Rs. 7.6 crores is the cost of the land compensation of the submerged area and submerged houses. I attach statements showing how this figure has been arrived at. The compensation for land submerged is Rs. 4,45,31,359 excluding 15% solatium and Rs. 1,46,80,074 compensation for houses submerged. This item of land compensation is a very large figure, and has tended to increase the cost of the project. Apart from the submergence of the land, a considerable part of the Belgaum Vengurla Road also gets submerged and a new road at a higher level is necessary to be provided. Some of the land submerged falls within the jurisdiction of the Kolhapur State and it has not been possible to carry out satisfactory negotiations with the State authorities about the acquisitioning of this area, and the settlement of the dispossessed people. In my opinion, this submergence of such a large area of land, displacement of population and villages, presents a problem of a very great magnitude and the commencement of the scheme depends upon the successful handling of this question. Wherever such lands have been submerged, the people have never been satisfied with the compensation and the problem has always remained as a festering sore. An instance in point is the submergence of the villages in the weir basin, at Nandur Madhmeshwar, on the river Godavari.

Canals.

The Ghataprabha Left Bank Canal has been surveyed and estimated in great detail and plans and estimates are ready for commencement of the work. It should be quite possible to start work on this canal straight-off without waiting for the construction of the main reservoir. The canal will take off from the existing Dhupdal weir and will be a monsoon canal till such time as the storage has not been built. I would, however, like to state that this canal will only be able to run upto the 15th October, as the river discharges get reduced very rapidly after that and it will not be possible to run the canal thereafter. The crops that can be grown will only be jowar, maize, and ground-nuts, i.e., such crops as will not need water after the 15th of October. The discharge of this canal should be fixed at 1,500 cusecs. The canal can be constructed in stages:

(1) stage up to mile 44

(ii) up to the whole length.

The Right Bank Canal is presenting problems of engineering difficulties and it is not possible to discuss its construction without fuller details and detailed survey.

13.4.48

Chief Engineer for Irrigation.

Statement No.1.

Statement showing classification of lands coming under submergence (at F.S.L. R.L.153.00)

At Saddi (on a 5000 mark)

S. No.	Taluka	Total area of submergence in acres.	Area under rice & garden crops, in acres.	Area under dry crops in acres.	Area under unclassified lands in acres.	Rates for paddy lands. in Rs. Maximum	Rates for paddy lands. in Rs. Minimum.	Average rate per acre of all lands in the Taluka.	Total cost of acquisition.	Remarks.
1	2	3	4	5	6	7	8	9	10	11
1.	Belgaum	12937	6315	6622	-	2000	1500	1230	15906468	
2.	Chandgad	9425	3912	5513	-	6000	1500	1286	12122375	
3.	Hukeri	3719	1057	2662	-	4000	1000	1024	3810016	
4.	Unsurveyed area.	5046	-	-	5046	-	-	1250	6307500	
5.	Kolhapur State Territory.	3579	2856	723	-	-	-	1798	6435000	Details of areas etc. have not yet been obtained from the State Authorities.
Total		34706	14140	15520	5046				44531359	The figs. in cols.3,4 & 5 are based on ocular survey & corresponding rates per acre adopted in the neighbouring Bombay Govt. area.
						Add 15% for compulsory land acquisition charges.			6687204	
						Total cost of land acquisition.			51268563	

NOTE: Total area of submergence worked out are as under :-

i) As per 1908 project = 35161 acres.
ii) As worked out by planimeter on plan = 34706 acres.
iii) As worked out by the Revenue Department in 1947 for submerged villages in the Bombay Govt. area & adopting the figures of 1908 project for the rest. 33471 acres.

Sd/- P.M.Mane,
Executive Engineer,
Irrigation Projects Division(South)

True copy,
Athimage.

Statement No.2

Statement showing the area and the number of houses coming under submergence and the population affected by submergence.

At Kodar or 4 5000 mcft.

S.No.	Name of village	Taluka	No of dwelling houses.	Houses likely to be sub-merged	Total popul ation of village.	Popula tion affected	Remarks
1	2	3	4	5	6	7	8
1.	Kini	Belgaum	148	148	861	861	
2.	Hundalwadi	"	30	30	218	218	
3.	Kagni	"	146	146	824	824	
4.	Bhundga	"	72	72	486	486	
5.	Mahalewadi	"	65	65	428	428	
6.	Ghulewadi	"	38	38	277	277	
7.	Nittur	"	108	108	310	310	
8.	Kowad	"	370	370	2150	2150	
9.	Kalkundri.	"	309	309	1537	1537	
10.	Kudnur	"	346	346	1682	1682	
11.	Talguli	"	59	59	278	278	
12.	Maranhal	"	55	55	209	209	
13.	Yartanhatti	"	15	15	66	66	
14.	Chinchani.	"	182	182	867	867	
15.	Basarga	"	186	186	1029	1029	
16.	Karve	"	50	50	748	250	
17.	Hamlet of Karve	"	8	8	35	35	
18.	Kalasgad(Hamlet of Kadoli)	Chandgad	63	28	287	135	
19.	Jalugad	"	69	69	327	327	
20.	Patne	"	25	25	703	117	
21.	Savarde (Inam)	"	37	37	188	188	
22.	Kolindra	"	65	16	340	86	
23.	Kukra Kukara	"	22	22	379	95	
24.	Adur.	"	15	15	126	42	
25.	Chandgad.	"	523	523	2242	2242	
26.	Hambre.	"	20	20	99	99	
27.	shirgaon	"	144	144	592	592	
28.	Asgaon.	"	99	99	425	425	
29	Naganwadi	"	97	97	408	408	

(2) .....

1	2	3	4	5	6	7	8
30.	Karaj	Chandgad	111	111	548	548	
31.	Kurtanwadi	"	43	43	189	189	
32.	Konewadi	"	79	79	319	319	
33.	Data	"	157	157	872	872	
34.	Nagva	"	18	18	376	125	
35.	Halkarni	"	125	125	1101	550	
36.	Nandawadi	"	139	139	734	734	
37.	Karajgaon.	"	91	91	373	373	
38.	Shipur	"	5	5	102	26	
39.	Jakanhatti Manjre Channahatti	Belgaum	19	19	132	132	
40.	Dukarwadi	Chandgad	288	288	1251	1251	
41.	Malgad	"	18	18	76	76	
42.	Kalmudi	"	20	20	80	80	
43.	Mangaon	"	352	352	1558	1558	
44.	Shivanga Lakkikatti)	"	198	198	904	904	
45.	Kadalga(kh)	Belgaum	54	54	277	277	
46.	Dholgarwadi	"	119	119	691	691	
47.	Rajgoli (Bk)	"	135	135	566	566	
48.	Rajgoli (Kh)	"	220	220	1037	1037	
49.	Nurewadi	Chandgad	28	28	155	155	
50.	Gudewadi	"	79	79	456	456	
51	Jatewadi	"	68	68	327	327	
52	Tambulwadi	"	97	97	417	417	
53.	Shattihalli	Hukeri	178	178	639	639	
54.	Salamwadi	"	133	133	644	644	
55.	Ramewadi (Daddi)	"	484	484	1672	1672	
56.	Modga	"	159	159	768	768	
57.	Nesari	Kolhapur State.	-	-			Details of population are not yet received from the Darbar. The probable population is 3000.
58.	Tarewadi	"	-	-			
59.	Savantwadi	"	-	-			
60.	Saroli	"	-	-			
61	Tavarewadi	"	-	-			
62	Kandewadi	"	-	-			
63.	Kumari	"	-	-			
64.	~~xxx~~ Konewadi	Chandgad	55	55	319	319	
				6754	34,704	31,968	

True copy
Attimage.
P/-

Sd/- P.M. Mane. 10/10/47
Executive Engineer,
Irrigation Projects Dn.(South).

Statement No.4.

Classification of Houses for compensation.

At Kodoli for 45,000 Mcft

Class.	Description.	Average rate of compensation per house.	Mean rate per sq.foot of floor area.	Remarks.
Special I	Temples and Samadhies etc.	To be judged	Rs. As. P. 10 - 0 - 0	These rates are based on the average rates obtained for similar structures at -- present in the locality. No data is available to work them out on 1938-39 rates plus 100% basis.
Special II	Inamdars' houses or wadas.			
1st Class A	Stone and mud, outer wall strong, tiled roof partition walls, first class carpentary and good workmanship throughout pointed with mortar.	7200	6 - 0 - 0	
1st Class B.	-do- -do- Inferior and of medium,workmanship.	5400	5 - 0 - 0	
2nd Class C	Mud walls and fair carpentary.	2700	2 - 8 - 0	
3rd Class B	Mud outer walls, thatched kacha tiles, rough carpentary etc.	700	1 - 4 - 0	

S.No.	Description.	No.of villages submerged. Fully	Partial	Total	Population affected. No.	No.of houses submerged.	Compensation for houses.	Area of open sites. Acres	Gunthas.	Compensation for open sites.	Total compensation Col.8 & 11.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
	British Govt.Villages.											
1.	Govt.villages	19	20	39	16610	3153	10905999	370	2	683848	11589847	
2.	Hamlets of villages.	7	1	8	1140	212	418600	34	20	45199	463799	
3.	Inam villages	9	5	14	2900	524	1305005	98	7	160105	1465110	
4.	Hamlets of villages	5	1	6	450	109	147550	18	33	11616	159166	
	Total.	40	27	67	21100	3998	12777154	521	22	900768	13677922	
	Kolhapur State.											
5.	Inam villages	1	6	7	1750	321	963300	33	5	38852	1002152	
	GRAND TOTAL.	41	33	74	22850	4319	13740454	554	27	939620	14680074	

True copy
A.M.Mirajgaye.

(Sd). P.M.Mane, 10/10/47
Ex.Engr.,Irrigation Projects Division (South).

In view of the very large amount required for the acquisition of the submerged land and compensation of houses, it would seem desirable to investigate the possibility of constructing one or two dams higher up the valley to obtain the proposed storage. The S.E., S.I.C., has reported that there are such sites available but detailed investigations will be necessary to find out the storage capacity, waste weir locations. Such an investigation will lead to an inevitable delay as trial bores will have to be taken to ascertain the depth at which rock would be met and its soundness. This delay would be resented, but Government will be well advised in undertaking these investigations, as they would save a considerable amount of compensation and would have to provide for much less dispossessed people.

2. I have asked the S.E., S.I.C., to carry out preliminary investigations on two such sites, and to submit a preliminary report by the 15th of June at the latest.

3. It is, however, necessary to make a start on the canal works and I would suggest that Government should authorize forthwith the undertaking of the construction of the Ghataprabha Left Bank Canal, which has been surveyed in great detail.

4. The Deputy Secretary has worked out the financial return by taking into consideration the cost of the dam and the left bank canal alone, and assuming the water-rates on a very conservative basis. With a betterment tax levy and an irrigation cess, the return cannot be said to be bad. With the development of irrigation, the returns may improve. In any case the construction of the left bank canal will show the earnestness of Government in undertaking irrigation

Projects

projects in the Karnatac and will definitely provide more food and fodder for the area.

5. Government will have to announce its policy of betterment tax and irrigation cess simultaneously with the sanction of the project.

.. .. .

13.4.48

H.M. P.W.D.

This matter was discussed with H.M., P.W.D., when H.M., Agriculture was also present. As desired by H.M., Agriculture, the following approximate details of the various sites proposed (five in number) are attached. The total storages of these sites come to about 40,000 m.c.ft.

2. These new proposals have ~~this~~ advantage over the one big dam at Daddi in the following respects:-

(a) Area submerged will be 17,850 acres total against 35,000 acres at Daddi storage.

(b) Population affected 9,400 souls against 35,000 souls

(c) No. of houses affected 2,200 against 4,300.

(d) The storages can be added on as and when required; only item 1 and item 2 being undertaken immediately, so that the Ghataprabha Left Bank Canal can function as a perennial canal in the first instance.

(e) It may be possible to cheapen the cost of construction, if the dams could be made of earth. This has not been studied yet but will have to be carefully gone into after the soils are tested.

3. There are two alternatives for the Ghataprabha Right Bank Canal. The original project provided for a canal direct from the Daddi storage. The first 70 miles of this canal pass through a difficult country, where the losses will be heavy unless the canal was lined throughout this length. A Right Bank Canal can also be taken off from Dhupdal (existing) weir. The approximate figures of details of the two schemes are given below:-

Serial number	Particulars	High level canal from Daddi	Low level canal from Dhupdal
1.	Length of canal	123 miles	100 miles
2.	Gross area	5.6 lakhs acres	2.0 lakhs acres
3.	Culturable area	3.7 lakhs acres	1.7 acres (figure not verified).
4.	Discharge at head of canal	1,500 cusecs	750 cusecs.
5.	Approximate cost of canal	12 crores	3.5 crores.

4. If the alternative proposals of having a series of dams at these five sites are accepted, the cost of compensation will go down by half and whilst there may be some addition to the cost of the dams in proportion to one dam, there will be a large saving over the total cost of the scheme. To that extent the project will show better returns on the amount invested.

5. As already stated, the investigations of the two sites will involve a delay of one year, in commencing the work but this delay will be well worth, in view of the saving in the amount of compensation to be paid.

6. The question, of which of the two Right Bank Canals should be taken up for construction, could be gone into after more detailed surveys become available.

26/4/48.

first dealt with HP 2814

H.M., P.W.D.. 29.4.48

HM Agric to discuss

IRRIGATION PROJECTS DIVISION(SOUTH), BELGAUM.

Comparative statement of five reservoir sites with brief details.

S.No.	Description of work.	Catchment area in sq.miles.	Average rainfall in the catchment in the year 1920.	Replenishment.	Probable area of water spread Acres.	Approximate height of dam above bed level.	No. of village sites affected	No. of dwelling houses affected.	Total population affected.
1	2	3	4	5	6	7	8	9	10
1.	Dam site No.1	73.0	182"	26,180	11,400	99'	11	1,113	4,900
2.	" " 2	29.0	155"	8,320	3,700	117'	7	540	1,900
3.	" " 3	6.0	146"	1,600	1,100	86'	2	104	600
4.	" " 4	6.0	93"	975	900	63'	2	192	900
5.	" " 5	17.0	100"	2,925	2,000	72'	2	231	1,100
				40,000					

As the Daddi project is not sanc
as yet, the Govt's motives are being
questioned by the public of Karnatak. At
present sufficient data is available to
decision. The project, therefore, may be
sanctioned and the decision be announced
the public by issuing a press note.

Orders may be issued to open the n
divisions for construction of L.B.Canal
immediately, and to take all necessary ste
with a view to begin actual construction o
the canal as early as possible. A definite
programme may be fixed for completing this
part of the scheme.

Ajra site seems to offer better
prospects. Negotiations may, therefore, be
started with the Kolhapur administration
for this site as well as for the lands
which are likely to be submerged in the
Daddi dam project. The negotiations may be
completed by personal contact at high level
with a view to avoid delay and misunder-
standing.

As different sites for dams are still
being investigated it will not be possible
to express any opinion on this until the
investigation is completed. The question
of final selection of site or sites for
the project and that of construction of
Right Bank Canal may be kept pending until
investigation is completed.

During the tour it was found that
the prices of lands to be acquired have been
over-estimated. The Collector of Belgaum may
be asked to get these reports examined by a
competent officer and submit revised report

s connection. H.M.,P.W.D. is aware
e feelings of Karnatak people regarding
project. I, therefore, request him to
instructions to the officers concerned
xpedite the various steps to be taken
ursuing this scheme.

H.M.Agri.

Publicity should not be given till the report of subcommittee of the Cabinet on irrigation charges is published. Expedite the report

.,P.W.D.

No.8839/36-I.B.(II).

Public Works Department,
Bombay Castle, 14th June 1948.

From

N.P.Gurjar, Esquire, B.E., I.S.E.,
Secretary to the Government of Bombay,
Public Works Department (Irrigation).

To

The Honourable Minister for Agriculture.

Subject:-Betterment Tax.

.....

Sir,

I am instructed by the Honourable Minister for Public Works to invite your kind attention to the draft report of the Cabinet Sub-Committee on the measures to improve the financial position of the major irrigation works in the Province of Bombay, which was handed over to you in April 1948, and to request that it may kindly be returned with your remarks, if any, at your earliest convenience.

Your obedient servant,

Secretary to the Government of Bombay,
Public Works Department.

D.A:-Nil.

GD/14/6/1948.

D.O.No. BM/Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 12th June 1948.

Dear Capt. Nanjappa,

The two Honourable Ministers were very highly impressed with the dam site at Ajra on the Hiranyakeshi and I have, therefore, sent to Government an estimate for investigating into the site by surveys, trial pits and bores etc. to determine the depth and nature of foundations. Before directing the Executive Engineer, Irrigation Projects Division (South Belgaum, (Mr. Mane) to depute staff for the purpose, I would request you to kindly convey your consent. I would also request you to issue instructions to the local officers of the Revenue and P.W. Departments to render necessary help to the survey staff.

2. I need hardly repeat what I stated personally that the Ajra site submerges a much smaller * rice area of Kolhapur State than the Daddi site and would therefore affect a smaller number of cultivators. As stated already an area of about 90,000 acres from the Kolhapur State will be commanded by Ghataprabha Left Bank Canal alone. The Kolhapur State, therefore stands a good opportunity of getting protection to this large area without any capital expenditure by agreeing to the construction of these dams.

Yours sincerely

17/6/48

Capt. V.I. Nanjappa, B.Sc. (Hons.),
Administrator, Kolhapur State,
K O L H A P U R.

*(The main area submerged by the Ajra Reservoir in Forest)

(Irrigation) Copy to N.P. Gurjar, Esqr., Secretary to Government, Public Works Department, Bombay.

P.T.O.

- Copy to P.M.Mane, Esqr., B.E., B.S.E(I), A.M.I.E., Executive Engineer, Irrigation Projects Division (South),Belgaum.

BR/12-6-48.
Compd.by:

P. W. D.
File No. 8151/36.
Serial No. 32362

17-6-48

P. W. Deptt.

I.B.(II).

p 82

Resubmitted together with S.No.32362.

2. The H.M., Agriculture has raised the following points in his note dated the 2nd June 1948:- pp 77-78

(i) The Daddi Dam Project may be sanctioned and the decision be announced to the public by the issue of a press note.

(ii) A new Dn. for the construction of Ghataprabha Left Bank Canal may be opened, the work of construction may be started and a programme may be fixed for completing the scheme.

(iii) Negotiation in connection with Ajra site as well as for the lands reqd. to be submerged in the Daddi Dam Project may be started with the Kolhapur administration at a high level.

(iv) Final selection of site or sites for the Daddi Project and Right Bank Canal may be kept pending until investigation is completed.

(v) The Collr. of Belgaum may be asked to examine the prices of lands to be acquired by a competent officer and to submit the revised report in the matter.

These points are noted upon in the following paras.

3. Point (i). Please see Secy. (I)'s note dated the 6-1-1948, It will be seen therefrom that certain proposals had been reqd. from the late C.E., P.W.D., for orders of Govt. so that the preparation of the final plans and estimates for the Daddi Dam Project may be taken up. The S.E., S.I.C.'s views have been called for u.o. in the matter and are awaited from him. He will be expedited in the matter on return of these papers.

x p. 159 of file No 8151/36 Part I + p 60.

As the final plans and estimates for the Project are still to be prepared, it is perhaps, not possible to sanction the project at this stage.

In view of the H.M., P.W.D.'s orders, dated the 2-6-1948, no p 78 further action is necy. reg: the issue of a press note.

4. Point (ii). A new Dn. called the "Ghataprabha Left Bank Canal D." with H.Q. at Dhupdal has already been sanctioned vide G.R. No. 9220/36, dated the 14-4-1948. The Ex.Engr. for this Dn. has also since been appointed. The construction of first 44 miles of G.L.B.C. is still to be administratively appd. and technically sanctioned. Until the .....

scheme .....

scheme is at least administratively appd., it is, perhaps, not possible to start the work of construction. If this is correct, no further action is called for on this point.

5. Point (iii). Reg: the lands to be submerged in the Daddi Dam Project, the S.E.,S.I.C., has already been authorised to negotiate with the Kolhapur Govt., vide G.L.No.8151/36-I.B.(II), dated the 24-2-1948. The Administrator, Kolhapur State has intimated the S.E., S.I.C., that the Kolhapur State will have no objection to the dam at Daddi being taken up for construction and that some reasonable method of compensation will have to be decided upon at a conference. It is not under-stood whether any such conference has been held so far and if so, the decisions arrived at. The S.E.,S.I.C., may be asked to state how the matter now stands.

The S.E.,S.I.C., may be asked also to negotiate with the Administrator, Kolhapur State reg: the Ajra site.

6. Point (iv). No further action is necy. on this point at this stage.

7. Point (v). As desired by the H.M., Agriculture, the Collr. of Belgaum may be addressed in the matter.

8. S.No.32362:- Further developments in the matter may be awaited.

9. Please see para. 5 of the office note dated the 6-5-1948. The main papers have since become available and the letter of the late C.E., P.W.D., and the note of Mr. G.G.Dhanak, late Deputy Secy., refd. to in the D.E.(I)'s note dated the 28-4-1948, are at pp. 37 to 45 of part II of file No. 8151/36.

10. The preliminary report on investigations of two sites which the S.E.,S.I.C., has been asked to submit by the 15th June 1948, at the latest has not been recd. from him so far. He may be expedited in the matter.

11. Pl. see S.E.,S.I.C.'s endt. No.G-112/170, dated the 28-1-48. No further developments have taken place so far in the matter. It is, perhaps, not necy. to address him in this connection.

Receipt of a reply to G.L.No.8151/36-I.B.(II), dated the 10-5-1948, may be awaited from the S.E.,S.I.C.

12. It is presumed that the H.M.,P.W.D., agrees with the H.M.,

~~Agriculture except point (iii) mentioned in para 2 above~~

Agriculture .....

Agriculture on all the points, except point (i), mentioned in para. 2 above.

BOB
21/6/48

Thro' D.E.(I).

2
KCJ.
21-6-48.

SLM
23-6-48

Action as he likes on our ABCD

BBL
22/6

D.S.

Point (ii) A new Division has been opened and an officer has been appointed for the same for the Construction of the Sh L.B. Canal. As soon as he joins his post, preliminary work of land acquisition, alignment of the actual canal, detailed surveys will be Commenced. A programme of work will be drawn up after a few preliminaries of the housing of the Ex Engineer, his office Staff etc are all obtained & start working

Point v The whole statements of lands could be sent to the collector of Belgaum for revaluation.

Point (i) is one for H M PWD to announce

Point (iii) (iv) unless some definiteness of the site is fixed, making of statements about the Submergence and negotiating for land compensation might be premature. If the site at Ajra is finally selected, Steps could be taken to prepare land plans & Statements & then the matter taken up with the Administrator. Both the Secretary of SEBIC can take up this matter with the Administrator

24/6+8

H.M.P.W.D. 25.6.48

24/6

28/6 28/6

I.B. (II) pp. 87-88

Resubmitted with the necessary draft for appl.

6/7/48

✓

Letter.

No. 8151/36-I.B.(II). P. W. Deptt.
B. C., 7th July 1948.

To

The S. E., S.I.C.

Subject:- Daddi Dam Project.

Ref:- Correspondence ending with your D.O.letter No.BM/Daddi, dated the 12-6-1948, addressed to Capt.V.I.Nanjappa, Administrator, Kolhapur State and copy endorsed to Government.

2. Please report at a very early date whether a conference to decide some reasonable method of compensation to the Kolhapur State for the submergence of its lands, as proposed by the Administrator, Kolhapur State in his letter No.C50-58, dated the 19-4-1948, copy of which was endorsed to this office by you under your No.BM/Daddi, dated the 23-4-48, has been convened by you and if so, the decision arrived at in the same.

3. It is noticed by the H.M., Agriculture in his tour of the Belgaum Dist. that the prices of lands to be acquired in connection with the project in question have been over-estimated. You are, therefore, requested to supply the statements of lands to be acquired to the Collr.

of .....

of Belgaum for revaluation and report the result thereof to Govt. as early as possible.

4. The Secy.(Irrgn.) had asked you to carry out preliminary investigation of two sites for the construction of dams higher up the valley to obtain the proposed storage on the Ghataprabha river and to submit your preliminary report to Govt. by the 15th June 1948, at the latest. The report has not been recd. from you so far. You are requested to expedite its submission.

By order etc.

6/7/48

D.A.-Nil.

KCJ.
5-7-48.

7/7/48

No. Dm/Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 14th June 1948.

To

The Secretary to Government,
Public Works Department,
B O M B A Y.

Subject: Storage on Ghataprabha:
Alternatives to Dam site at Daddi.

Preliminary investigations for all the six alternative dam sites on the upper reaches of Ghataprabha, Tamraparni and Hiranyakeshi Rivers were carried out vide Survey Estimate for Rs.9048/- sanctioned by Government under their Letter No.8151/36-I.B(II), dated the 29th May 1948 and the work has been completed.

2. As a result of the investigation it was found out that site No.1 on Ghataprabha, No.2 on Tamraparni and one more site at Ajra on Hiranyakeshi are promising. There is also another site two miles downstream of Site No.1 on Ghataprabha which is worth considering. Site No.6 on Hiranyakeshi referred to in my No. B.M.Daddi 634 dated 19th March 1948 is also good but need not be surveyed in detail at this stage, unless Kolhapur state object to the Ajra Site.

3. All the sites recommended above deserve further detailed investigation including contour survey for capacity and bores for determining the depth of foundation for the dam proper and waste-weir. These sites were inspected by the Hon'ble Ministers for Public Works Department and Agriculture, during their recent visit to Valleys on 19th and 20th of May last.

4. I am therefore submitting another estimate amounting to Rs.63,780/- for detailed investigation of the four sites - 1, 1-A, 2 & Ajra mentioned above. The estimate provides mainly for (a) surveying the tank basin for capacity contours and (b) for 26 bores on all the four sites for determining the foundation strata in the alignment of dam and waste-weir.

5. Actually the number of bores required for Ajra may be smaller. Similarly the first few bores at site 1 and 1-A would be sufficient to allow a choice between the two, so that more bores on the rejected site may not be needed. It is not however desirable to reduce the provision in the estimate on that account.

6. I would, therefore, request that administrative approval of Covernment to this estimate may kindly be obtained and communicated to me at an early date. In the meantime the work of detailed investigation is being taken up on hand to utilise fully the available working period before the monsoons. This includes also some bores.

Superintending Engineer,
Special Investigation Circle.

Accompaniments:
7 Sub-Estimates &
1 Recapitulation.

Copy to the Executive Engineer, Irrigation Projects Division(South,Belgaum for information. with reference BR/8-6-48.

P. W. D.
File No. 815/36
Serial No. 32234

8151/36/32234

P.W.D.

.B.C(II)

Submitted

2. The S.E., S.I.C. has completed the preliminary investigations for all the six alternatives to dam site at Daddi on the upper reaches of Ghataprabha, Tamraparni and Hiranyakeshi rivers. An estimate amounting to Rs. 9,048/- for this work was appd. by Govt. under U.O. No. 8151/36-J.B.C(II), dated the 29-5-48. The S.E. has now submitted an estimate amounting to Rs. 83,780/- for the detailed investigation of only four sites. The estimate provides for (i) surveying the tank basin for capacity contours and (ii) for taking 26 bores on all the four sites for determining the foundation strata in the alignment of dams and waste-weir. If the estimate is in order, it may be administratively appd. for Rs. 83,780/- after U.O.R. to the F.D.

Thro. E.B.(II) and A.B.(II) as D.E.(I)

BBR 21/6/48 E.B(II).

3. The S.E. may be informed that the estabt. provided for in the estimates shd. be paid the rates of pay & allowees as admissible under the general orders of Govt.

A

Sd/- (illegible) 21/6

Sd/- (illegible) 22/6/48

Dep 21.6.48.

A.B(II).

4. Provisions for the following survey works in con. with the Daddi Dam Project ~~are made~~ exist in the current years.

D.S. Secy(?)

year's budget under the head
"18-P.W.R&D.P." :—

	Provision Rs.
(1) Surveying and preparing plans & estimates for the Daddi Dam Project	18,700
(2) Survey for the Daddi Dam Project (Investigating difficult portions of surveyed alignments (Estimate Rs. 32,198)	12,000

It is not known whether the present estimate amounting to Rs. 83,780 is in addition to the above surveys.

5. If approved, expenditure against the present estimate may be authorised in anticipation of the sanction of the Leg. Assembly. A supplementary demand will be forwarded to the DS in due course for being placed before the LA.

B

Ex
21/6/48

The estimate providing for further surveys and exploration of foundation strata is obviously in addition to the former estimate for preliminary surveys.

In this connection reference is invited to the Secy.(I)'s note dated 13-4-48 (Please see at p. 71 of the file 815-1/36 Pt-III). According to this note

DS
Secy (I)
21/6

the S.E. Stt. was expected to submit a preliminary report on his findings by 15th June 1948 at the latest. This is not yet received.

The estimate now received consists of 7 sub estimates. 3 of these pertain to Contour Surveys for determining the Storage Capacities (totalling to Rs ~~37,973~~ 26,438) and the other 4 provide for trial bores — 26 Nos — at an aggregate cost of Rs 57,342 at the three suggested sites. The provisions are generally in order. The estimate is not susceptible of closer scrutiny. The estimate may be approved.

25/6/48

Dy. Secy. 25/6

Secy: Obs should be agreed. The investigation of these two sites has been asked after a visit by H M PWD & H M Agri

27/6/48

Submitted to FD with estimate & blue print

29/6/48.

Dy. Secy (Amrit 8/7)
29/6

FINANCE DEPARTMENT
File No.
Date 30-6-48
Serial No. PWRI

Finance Dept. (P.W.R.I.)

The proposal made by the P.W.D. may be agreed to subject to the remarks made at 'A' and 'B' on pages 5 & 6 ante.

N.G.
1.7.48

The estimate may be agreed to. As regards the expdr. during the current year, it may be incurred only if the P.W.D. is satisfied that the work cannot wait till next

Thro' C/Br
D.S (P&R).

AHS
2/7/48.

Secy

year. A supplementary demand will be necessary in that case. The Hps. may be submitted to H. M. F. D. in P. W. D.

Yes; we may agree to the expenditure being incurred in the current year.

2/7/48

2/7

1/7

Ys(i) 5/7/48

Put up with P.W.D. dated 2/7/48 with plans & estimate.

P. W. D.
File No. 8151/36
Serial No. 35857

P.W.Deptt.

I.B.(II).

pp.9-10

Submitted with the necessary draft for approval which may issue after submission to the H.Ms., P. W. D. and F. D.

Thro' A.B.(II).

12/7/48

5-7-48

12/7/48.

12/7/48

KCJ.
12-7-48.

13/7

13.7.48

16/7/48

16.7.48

DS
Secy (I) Genl (Irrgn)
HM, PWD
P.S. HM, F.D.
H.M.P.W.D

19/7/48 H.M.F.D.

13/7

19/7/48 H.M. Agric. for information

19/7

Letter.

No.8151/36-I.B.(II). P. W. Deptt.
B. C., 27 July 1948.

To

The S. E., S. I. C.

Sub:-Storage on Ghataprabha:
Alternatives to dam site at Daddi.

Ref:-Your letter No.BM/Daddi, dated the 14-6-1948.

2. The estimate amounting to Rs.83,780/- for the detailed investigation of four alternatives to dam site at Daddi is approved administratively as a charge against the head "18-A(2)-Misc. Expre.-Other Charges-P.W.R. & D.P." and is returned herewith.

3. The establishment provided for, in the estimate, should be given rates of pay and allowances as admissible under the general orders of Government.

4. Expenditure on the work is hereby authorised during the current year in anticipation of the sanction of the Leg. Assembly. An application for the funds actually required should be submitted to Govt. in due course when a source to meet the charge will be pointed out.

5. Please furnish a copy of the face sheet of the estimate for record in this Office.

By order etc.

D.A.-7 Estimates and
1 Recapitulation.

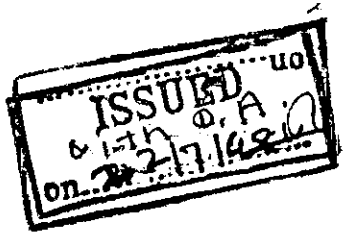
Copy .....

Copy forwarded to -

the Finance Deptt.,
the Ex.Engr.,Irrign. Projects Dn. (South),
the A. G., Bombay (thro' the F.D.)

for information.

Orders issued after consultation with Finance Department.
Notes remain with this Department and can be seen when required.



BDP. 12/7/48

KCJ. 12-7-48

20/7

SS

Secy. (Irrgn)

13/7/48

To A.O.3 (II) with a copy (both)
21/7

23/7/48.

Copy returned

23/7/48

To

D.O.No.ADM/Dh/135 dated the 29th June 1948 from the Administrator, Kolhapur State addressed to the Superintending Engineer, Special Investigation Circle, Dharwar.

Your letter of 12th June.

The Government of Kolhapur have no objection to your officers and staff carrying out the surveys of trial pits and bores etc. of the dam site at Ajra on the Hiranyakeshi River.

I am issuing necessary instructions to all officers of the Kolhapur State concerned to render all possible cooperation to the survey staff.

With kind regards,

No, Bm/Daddi/x

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 16/K July 1948.

Copy forwarded to the Executive Engineer, Irrigation Projects Division(South), Belgaum for information and guidance.

2. The work of Survey of Ajra Dam Site should be taken up without any delay.

--

Copy forwarded with compliments to the Secretary to Government, P.W.D. for information.

Superintending Engineer,
Special Investigation Circle.

BR/15-7-48.
Compared by:

I.B.(II). P.W.D.

Submitted for information.

2. The S.E., S.I.C. will be expedited hereafter with reference to G.L.M. 8151/36-IB (II), dated the 7-7-48.

Thro' S.E. (I).

26/7/48

20-7

Coimbatore
BR\IP-1

9(11)
26/7

D.
8151/36
39105

I.E.(II):

Submitted.

2. For the reasons stated in paras.3 and 6 of his letter, the Prime Minister of Kolhapur State requests to consider his suggestion for the territorial exchange and compensation before proceeding with the negotiations for the lands required for the Daddi Dam Project. In para.5 of his letter, he has roughly pointed out the areas which this Govt. should give in full sovereignty to the Kolhapur Darbar.

3. In the discussion which Mr.C.G.Kale, the late C.E., P.W.D., had with the representatives of the Kolhapur State on 10-9-47, he had made it clear to them that the exchange of territory is nearly an impossibility on various grounds. The S.E., S.I.C., who is now authorised by Govt. to carry on further negotiations with the Kolhapur State has been instructed that this Govt. will not agree to exchange of territory with sovereignty and that excepting for this condition, Govt. will consider very sympathetically all the requests of the State for compensation for the submerged lands or for other facilities. The S.E. who had a discussion with the Administrator, Kolhapur State in the matter, has been informed that the Kolhapur State will have no objection to the dam at Daddi being taken up for construction and that some reasonable method of compensation will have to be decided upon at a conference. As it was not known whether any such conference was held by him and if so, the decision arrived at in the same, he has been asked to state how this matter now stands. His reply in the matter is awaited. Before any reply is given to the Prime Minister of Kolhapur State the S.E.'s report may be awaited.

4. In this connection it may, however, be stated that six alternatives to the storage site at Daddi are under

under investigation at present and these alternative/ sites are expected to submerge less area of the Kolhapur State than the one at Daddi.

5. These papers may be returned to the S.D. with the above note.

BKR 19/7/48

Thro. D.S.(I).

2 BKR 1/1/48.

Id. S.G.K. 23.7.48.

Id.A.G.M.
23/7
D.S.

The letter of the Prime Minister, Kolhapur State, suggests the transfer of territory in exchange for the lands submerged under the Daddi Dam Project with full Sovereignty. This principle cannot be accepted. It was not agreed to in the case of the Vir Dam project, when some lands in the then Bhor State were being submerged. There would appear to be no point in proceeding with negotiations on that basis.

Id.N.P.G.
25/7/48
Secy.(I)

U.O. to P.& S.D. dated 27-7-1948.

Issued 27/7/48

GJP. 26/7/48

27/7/48

PRELIMINARY REPORT

on

THE PROPOSED ALTERNATIVE DAM SITES IN THE UPPER REACHES OF GHATAPRABHA, TAMRAPARNI & HIRANYAKESHI RIVERS.

The proposed dam site across the Ghataprabha River at Daddi submerges a lot of valuable paddy area which makes the scheme unpopular and to some extent also costly. It was, therefore, proposed to investigate some alternative sites on the Ghataprabha River and its distributaries, higher up the valley. Several alternative sites were accordingly investigated very roughly and results of approximate information so far collected will be found in the accompanying statement.

2. It may be stated here that the figures given in the statements are very rough and are based on the data available in the limited time. These figures will have to be modified depending upon the results of trial bores for foundations for rock, except in the case of the site at Ajra where exposed rock is available in the river bed.

3. From the preliminary details, it is seen that out of the various sites investigated that at Ajra is the best, site 1 on the Ghataprabha and site No.2 on the Tamraparni being next in order of merit. An alternative to site No.1 i.e., site No.1-A, about two miles lower down, has also been found to be equally suitable. As already reported in this office No.Bm/Daddi, dated 14th June 1948, it is proposed to investigate in further detail site Nos.Ajra, 1, 1-A and 2, the rest being discarded. Site No.6 may be taken up for investigation later in case it is required for Ghataprabha Left Bank Monsoon Canal.

4. As only one Calyx boring machine was available, no bores could be taken on all these sites except one on site No.1-A, on the right bank. From the results of this bore enclosed herewith, it will be seen that sound rock has been met with at a depth of 89' below the ground level. This shows that the level of rock in the river bed is likely to be about 60' below the river bed. This will increase the cost of site 1-A by about one crore -- increasing the cost of storage per M.cft. from Rs.1,400/- to Rs.2,000/-. Bores will be taken on all the sites, viz. 1, 1-A, 2 and also at Ajra and the figures of cost will be suitably -- modified when results are available. By that time figures of land compensation etc. will also be known to a greater accuracy.

Superintending Engineer,
Special Investigation Circle.

RGY/19.7
Compd.by:-

Statement showing the details of alternative dam sites on Ghataprabha

Dam - sites.	Ajra Dam site on Hiranyakeshi river.		Site No.1 on Ghataprabha river.		Site No.1-A on Ghataprabha river.		Site No.2 Tamraparni river.	
	Safe runoff	Higher runoff 2 shortages in 25 yrs.	Safe run-off.	Higher runoff 2 shortages in 25 yrs.	Safe run-off.	Higher runoff 2 shortages in 25 yrs.	Safe run-off.	Higher runoff 2 shortages in 25 yrs.
1	2		3		4		5	
1. Situation	A mile to the north of Ajra village.		In the upper reaches of Ghataprabha about 20 miles above Daddi & about a mile north-east of Hindagaon village.		About 2 miles downstream of site No.1		About 2 mi south-west Chandgad	
2. Catchment area in sq.miles.	94		73		83		29	
3. Average rainfall in ins.	180		175		170		175	
4. Minimum rainfall in ins. (1918)	140		140		130		135	
5. Run-off in Mcft.	21000	32000	17000	25000	18000	21000	6500	10(
6. Length of dam in ft.	3300	3500	3300	3900	2900 + 3500 flanks (earthen)	2900 + 5000 flanks (earthen)	3000	3(
7. Height of dam in ft.	152	165	122	141	122 + ~~18~~ flanks	136 + ~~30~~ flanks	123	
8. No.of houses submerged.	800	1300	1100		1480		540	
9. Population affected. No. of souls.	4000	6500	4900		6600		1900	
10. Total area submerged in acres (For larger scheme)	12500	15000	11400		14200		3700	
11. Probable submergence of paddy area(for larger scheme)	2500	3000	2000		2800		700	
12. Cost of works in crores of Rs.	2.2	2.7	1.7	2.2	1.5	1.8	2.2	
13. Compensation in crore Rs.	0.9	1.1	0.9		1.2		0.3	
14. Total cost in crores Rs.	3.1	3.8	2.6	3.1	2.7	3.0	2.5	
15. Total cost per M.cft.of storage	1500	1200	1500	1200	1400	1400	3800	3

Tamraparni and Hiranyakeshi Rivers.

n r f rt- in s.	Site No.3 on Dhotikhand nala. Safe run-off.	Site No.3 on Dhotikhand nala. Higher runoff 2 shortages in 25 yrs.	Site No.4 on Halkarni nala. Safe run-off.	Site No.4 on Halkarni nala. Higher runoff 2 shortages in 25 yrs.	Site No.5 on Hanjol nala Safe run-off.	Site No.5 on Hanjol nala Higher runoff 2 shortages in 25 yrs.	Site No.6 on Hiranyakeshi river. Safe run-off.	Site No.6 on Hiranyakeshi river. Higher runoff 2 shortages in 25 yrs.
	6		7		8		9	
les of llage	About a mile south-west of Here village on Dhotikhand nala, a tributary to Tamraparni river.		About 2 miles south-west of Tambulwadi village on Halkarni nala, a tributary to Tamraparni river		About a mile west of Turkewadi village on Hanjol nala, a tributary to Tamraparni river.		About 6 miles from the source of the Hiranyakeshi river & very near the junction of Belgaum Vengurla & Sankeshwar - Vengurla road.	
	5		6		17		14	
	175		100		100		250	
	135		65		65		165	
00	1400	2000	700	1000	2000	2800	4600	7000
00	3800	4000	2300	2500	2400	2700	3100	3500
45	77	93	55	68	78	95	105	127
	10		60		230		350	
	60		300		1100		2000	
	800		800		2000		2700	
	30		100		600		500	
.8	1.1	1.5	0.47	0.53	1.0	1.3	1.7	2.3
	0.02		0.04		0.2		0.3	
.1	1.12	1.52	0.51	0.57	1.2	1.5	2.0	2.6
00	8000	7600	7300	5700	6000	5300	4300	3700

1	2	3	4	5
16. Special features.	1) Exposed rock (quartzite) in the bed. 2) Excellent site in a saddle for a waste weir. 3) Area of agricultural lands submerged is small being about 3000 acres of paddy compared to 15000 acres of paddy area at Daddi.	1) Separate saddle for waste weir which will be in rock cutting 2) Lands of Kolhapur not submerged. 3) Paddy area submerged will be about 2000 acres only.	1) Separate saddle for waste weir where trap rock is exposed. 2) Lands of Kolhapur not submerged. 3) Paddy area submerged will be about 2000 acres only	1) Good tra is expos the nala the righ flank wh indicate availabi of rock the dam and wast 2) Paddy la merged a small co to that other si
17. Remarks.	This is one of the best sites.	Good site - recommended. Selection between site 1 + 1A will depend upon the depth at which rock is met with. A bore at site 1A showed rock at 89' below M.L. + . The result of this bore at site 1 will determine the final selection.	This can be selected as an alternative to site No.1 as it has greater catchment area and hence greater run-off. One bore recently taken and probably decide in favour of site 1.	Fairly goo and may be advantageo further.

RGY/15.7
Compd: by:- SSS 15/7

6	7	8	9
·rock ed in on ch the lity long line weir. nds sub- e very mpared for es.	1) Cost of storage is very heavy as the cost of dam and waste weir are proportionately large.	1) No rock on bed of nala 2) Cost of storages is very heavy.	1) Cost of storage per M.cft. is ✱ high.	1) Rock is expected at a reasonable depth. 2) A separate saddle is available for waste weir. 3) A very small paddy area is submerged. 4) Cost of storage is not too much. 5) No lands of Kolhapur are submerged.
l site ~~select~~-	Not suitable and rejected.	Not recommended unless a small storage to make up the monsoon storage for Ghataprabha Left Bank Canal ~~were contemplated~~. Even so, site no 6 would be better.	Not recommended.	Ideal site if a small storage to make up the monsoon storage for Ghataprabha Left Bank Canal is contemplated, ~~but now rejected as Ajra on niranyakeshi is under consideration~~.

Superintending Engineer,
Special Investigation Circle.

BORE AT SATWANA SITE (1A)

Location: At chainage 2400' on main Dam line on the River Ghataprabha.

Depth. From	To	Strata passed through.	Remarks.
0'	6'	Red soil.	
6'	10'	Red soil mixed with Shedu	
10'	15'	Shedu (yellowish green material)	
15'	20'	Laterite boulders	
20'	30'	Disintegrated trap boulders.	
30'	45'	Black soil with small grains of sand	
45'	50'	Hard trap boulders.	
50'	55'	Soft trap boulders.	
55'	60'	Hard trap boulders.	
60'	67'	Soft trap boulders.	
67'	74'	Hard trap boulders.	
74'	87'	Green (whitish green material)	
87'	89'	Shedu	
89'	101'	Trap rock slighfly honey-combed. But very hard.	

Superintending Engineer,
Special Investigation Circle.

RGV/17.7
Compd.by: KBB 17.7.44.

No. B.M.Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 26th July 1948.

To

The Secretary to Government,
Public Works Department,
B O M B A Y.

Subject: Daddi Dam Project.

Reference: Government Letter No.8151/36-I.B(II) dated the 7th July 1948.

2. The Administrator, Kolhapur State has been requested to fix an early date for the proposed conference.

3. Necessary action has already been taken and the Collector of Belgaum District requested to revaluate the lands likely to be submerged.

4. No particular date was stated but a report was called for as early as possible. A preliminary report is submitted herewith (based on approximate cross-sections, but without bores) in the form of a statement.

5. This report and figures will have to be modified when bores are taken at sites 1, 1A, 2 and Ajra and more detailed information on other points collected. This will be submitted in due course. The estimate for investigating into these sites submitted under this office No.B.M.Daddi dated the 14th June 1948 may please be sanctioned as early as possible and funds placed at my disposal. In the meantime expenditure is being incurred.

Accompaniments:

1. Preliminary Report
2. Statement of costs submergence and description of each site.
3. Bore result at site 1-A.

Superintending Engineer,
Special Investigation Circle.

Copy to the Executive Engineer, Irrigation Projects Division(South), Belgaum, for information and guidance.

BR/19-7-48.
Compd. by:

Sept(1)

I.B.(II)

P. W.D.

Submitted with ref. to G.L.No.8151/36-I.B.(II), dated the 7-7-48

2. Further developments in respect of paras. 2, 3 and 5 of the S.E, S.I.C's. letter on the pre-page and receipt of replies to the G.L.s. at pp.. - ante. may be awaited.

3. As regards the concluding portion of para. 5 of the S.E's. letter dated the 20-7-48, it may be stated that necessary orders have already been issued in the matter; vide G.L.No.8151/36-I.B.(II), dated the 21-7-48.

Thro. D.E.(I)

BDP
31/7/48

SLM
2/8/48

NBM 2/8

WBG 7/8

Pt II

9(11) 22/7

P. W. D.
File No. 8151/36
Serial No. 39632

No. Bm/Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 6th August 1948.

To

The Executive Engineer,
Irrigation Projects Division(South),
B E L G A U M.

Subject: Storage on Ghataprabha. Alternatives to Dam site at Daddi.

Reference: Government Letter No.8151/36-I.B(II), dated the 21st July 1948 and copy to you.

2. The estimate amounting to Rs.83,780 for the detailed investigation of four alternatives to dam site at Daddi approved administratively by the Government under the above quoted reference is technically sanctioned by me under this office Register No.2 for August 1948. It is sent to you herewith for getting your copy corrected and returning the original for record in this office.

3. You are requested to push on work of detailed investigation. We had already informed Government that the work was being taken up in anticipation of sanction to estimate and funds vide para 6 (copy of which was endorsed to you) of this office letter No.Bm/Daddi, dated the 14th June 1948. Application for funds actually required should be submitted to this office in due course.

D.A: 7 estimates
& 1 recapitulation.

Superintending Engineer,
Special Investigation Circle.

Copy with a copy of the recapitulation sheet, forwarded with compliments to the Secretary to Government, Public Works Department, Bombay, with reference to Government letter quoted above.

BR/7-8-48.
Compd.by:

I B. (II)

Submitted.

2. No action is necy. on the reference under disposal.

Await. P 128

17/8/48.

P to AG (II)

15/8/48

20/8/48.

D3 (II)
12/8

P. W. D.
File No. 8151/36
Serial No. 43997

15 JUN 1948
Serial No. 22206

GOVERNMENT OF KOLHAPUR
(POLITICAL DEPT.)

PRIME MINISTER'S OFFICE.

Kolhapur; 11th June 1948.

No. H-19(1)/47.

From:-

Vikar-ul-Mulk Rao Bahadur D.A. Surve,
Prime Minister, Kolhapur State,
KOLHAPUR.

To

The Secretary to the Govt. of Bombay,
Political & Services Department,
BOMBAY.

Daddi Dam Project- submersion of Kolhapur State lands under -

Sir,

I have the honour to refer to the minutes of the meeting held at Kolhapur on 10-9-1947 for discussing with the representatives of your Government in the P.W. Department, the question of Kolhapur's co-operation in the Daddi project and to express the hope that the view-point of this State as then explained must already have been fully and carefully considered by your Government. I had stressed at the meeting the need for a new spirit of give & take, which your representatives not only appreciated, but were pleased fully to reciprocate on your Government's behalf. The way has thus already been cleared for your Government's proceeding with the scheme, with the assurance of this Darbar's fullest co-operation both on the technical and other sides. As agreed to at the meeting, full compensation to the individual property holders (including alienees) affected by the project is to be shouldered by the Bombay Govt., on the terms and conditions as agreed on. Only the question of working out a suitable compensatory

exchange to the Kolhapur Darbar for the loss (inter alia) of territory to it, will remain for solution.

2. Kolhapur's position as to this particular aspect of its participation in the Scheme was made perfectly clear by me at the meeting; but as this question of territorial exchange and compensation which I had then raised is of a political nature, this matter can only be decided at a policy level. I am, therefore, to enquire whether the principle of such compensatory exchange of territory is acceptable to your Government. Further progress in negotiations as to this particular aspect, must necessarily hinge on the response to the above proposal.

(ii)

3. However, with a view to give your Government a general idea of the Kolhapur Darbar's tentative proposals in this connection, I may state that, by participating in the Scheme the Darbar stands to lose approximately 3,500/- acres of its rich, fertile territory which would be submerged under the water of the Daddi Dam. Besides these, there would about (another) nine square miles of State area with which it will be very difficult to have any communication, as a result of the Scheme. The possibility of an exchange of territory on a suitable basis needs, therefore, to be initially explored.

(a)

(b)

4. I would ask your Government, therefore, be be so good as to let me know whether the principle of the above suggestion would be acceptable, as a basis for further exploratory talks. As the territory which as at present advised, I proposed to ask for (as is indicated below) is hilly, not much cultivated, with forests which appear to be mostly of private ownership, and having a sparse population (mostly of Dhangars), no difficulty need prima facie be felt by your side in agreeing in

principle to the above proposal.

5. I would accordingly desire to know whether your Government is prepared to open discussions with a view to ceding some territory in full sovereignty to the Darbar and if this is agreeable, I would suggest the territory below the Ghats near Phonda, lying roughly between degrees 16° 15' to 25' North latitude and degrees 73° 40' to 55' East Longitude, as indicated on topo sheet No. 47 H 11 & 15. and another strip of below Ghats territory lying roughly between degrees 16° 42' to 47' north latitude & degrees 73° 48' to 52' East longitude as indicated on topo sheet No. 47 H 9,10,13&14 If your Government is ready to consider the principle involved, I would request you kindly to let me know whether they would like further details of the Darbar's proposals in this connection to be imparted to them.

6. The hard logic of the situation appears, indeed, to indicate some sort of territorial exchange as inevitable and desirable if the Daddi or any similar Scheme is to succeed, on that basis of mutual co-operation and accommodation to which both sides are mutually pledged. The submergence of a good portion of the Darbar's lands as a result of the Dam will practically cut off direct access to, and communication with, the Darbar's territory on the other side of the bank, thus making administrative control of that area difficult and expensive for the Darbar and the people alike. To save such practical inconvenience, the best solution would be to exchange territories out-right, on a mutually satisfactory basis. I may further state that, if the principle itself of such exchange be agreed to, suitable adjustments in that regard may be expected not to present much difficulty.

7. The Darbar is quite willing to assure your Government that the small number of inhabitants (mostly Dhangars etc.) below the Ghats, living in the tract of

territory which the Darbar may desire to get in exchange, would present no insuperable difficulty in this connection.

6. I would, therefore, request that your Government's reactions as to this proposal may kindly be indicated to the Darbar at an early date. Of course, this letter is not intended to touch on the other aspects of the case which have already been agreed to, such as a preliminary joint survey of the areas to be covered under the Scheme. Preparations under that head may forge ahead as already arranged in mutual co-operation.

I have the honour to be,

Sir,

Your most obedient servant,

PRIME MINISTER OF KOLHAPUR.

P and SD
F

This may be referred on n.o. to the P.W.D. for remarks in the first instance.

7-7-48

7/7

H.S. n.o. to P.W.D. dt 8/7

U/S V. engr. P.

Secy (I) 10/7

P. W. D.
File No. PQS.D/10/23-206
Serial No. 37120

I.B.(II).

Submitted.

2. For the reasons stated in paras.3 and 6 of his letter, pp 1-7 ante the Prime Minister of Kolhapur State requests to consider his suggestion for the territorial exchange and compensation before proceeding with the negotiations for the lands required for the Daddi Dam Project. In para.5 of his letter, he has roughly pointed out the areas which this Govt. should give in full sovereignty to the Kolhapur Darbar.

3. In the discussion which Mr.C.G.Kale, the late C.E.,P.W.D.,had with the representatives of the Kolhapur State on 10-9-47,he has made it clear to them that the exchange of territory is nearly an impossibility on various grounds. The S.E.,S.I.C., who is now authorised by Govt. to carry on further negotiations with the Kolhapur State has been instructed that this Govt. will not agree to exchange of territory with sovereignty and that excepting for this condition, Govt. will consider very sympathetically all the requests of the State for compensation for the submerged lands or for other facilities. The S.E. who had a discussion with the Administrator, Kolhapur State, in the matter, has been informed that the Kolhapur State will have no objection to the dam at Daddi being taken up for construction and that some reasonable method of compensation will have to be decided upon at a conference. As it was not known whether any such conference was held by him and if so, the decision arrived at in the same, he has been asked to state how this matter now stands. His reply in the matter is awaited. Before any reply is given to the Prime Minister of Kolhapur State, the S.E's report may be awaited.

4. In this connection it may, however, be stated that six alteratives to the storage site at Daddi are under

* minutes of the meeting at p. 117-20 of file no 8151/36 part II kept below. Flagged 'L'

Vide ibid at 191 of file-Do-

Vide S.E. S.I.C. note at p 31 of file no 8151/36 part III kept below flagged M

Vide ibid at p 87 of file-Do-

under investigation at present and these alternative sites are expected to submerge less area of the Kolhapur State than the one at Daddi.

5. These papers may be returned to the P.& S.D.with the above note.

BKR 19/7/48

Thro. D.E.(I).

2
BKR
19/7/48.

23.7.48

VBL 25/7

DS

Secy (Irrign)

The letter of the Prime Minister Kolhapur State suggests the transfer of territory in exchange for the lands submerged in the Daddi Dam Project with full Sovereignty. This principle cannot be accepted. It was not agreed to in the case of the Vir Dam project, when some lands in the then Bhor state were being submerged. There would appear the no point in proceeding with negotiations on that basis.

VBL 25/7/48

Ltr to P & S.D. 27/7/48.

POLITICAL AND SERVICES DEPARTMENT
File No. O
F 28 JUL 1948
Serial No. 29437

9

Panel sd

ph. 4-10 F

From P.W.D. note it will be seen that there are previous proceedings on the subject in that Deptt. It will be also seen that the P.W.D. has already taken a decision on the point raised by the Prime Minister of Kolhapur State regarding exchange of territory with full sovereignty by way of compensation to the State for the loss to it in participating the proposed Scheme. The Secy. P.W.D. has started that there is no point in proceeding with negotiations on this basis. In view of this, the pps. may be transferred n.o. to P.W.D. with a request to put up a suitable reply to the Prime Minister of Kolhapur State which may issue over C.S.'s signature.

* ✗ p. 3 (ante)

6-8-48.
9

9/8/48

D.S.
C.S

n.o. to P.W.D. dt 11/8

8151/36/43825

P.W.Deptt.

I.B.(II).

Submitted.

2. Please see portion side lined 'A' of para.3 of the office note, dated the 19-7-48. The S.E.,S.I.C's reply has been received and he has reported that the Administrator of Kolhapur State has been asked to fix a date for the proposed conference. The necy.draft put up to the Prime Minister of Kolhapur State may issue, if approved under the signature of the Chief Secy.

Thro. D.E.(I).

BKR
23/8/48.

BKR 23/8/48

Perhaps the ref to Bhor Durbar's case is unnecessary.

23/8/48

30/8/48

Ch Secy

31/8.

I(1) 11/8

P. W. D.
File No. PSD 0 8151/36
29437
Serial No. 43825

No.8151/36-I.B.(II). B.C., P.W.D., ~~August~~ Sept. 1948.

To

The Prime Minister, Kolhapur State
Kolhapur.

Subject:- Daddi Dam Project.
Submergence of Kolhapur
State lands under the -.

Sir,

Reference: Your letter No.H-19(1)/47, dt. the 11-6-1948.

2. In the discussion which Mr. C.G. Kale, the late C.E., P.W.D., had with the representative of your State on 10-9-1947, he made it clear that exchange of territory on sovereignty basis is nearly an impossibility on various grounds. Since the point has been raised again it is necy. to reiterate that the principle of exchange of territory with full sovereignty is not acceptable to this Govt. This Govt. will, however, consider sympathetically any other reasonable method of compensation.

3. .....

3. The Administrator of your State has, ~~therefore~~ already been addressed by the S.E., S.I.C., to fix up a date for a conference of the representatives of your State and this Govt. to work out some reasonable method of compensation for the submerged State lands.

Yours faithfully,

D.A.-Nil.

Copy forwarded to the S.E., S.I.C. for information.

27/8/48

ISSUED
11 SEP 1948

RKP.
28-8-48

G.B.(II) O.N. P.W.D. 8151/36
43825

The approved draft Ltr. is to be issued over the signature of the Chief. vide the concluding portion of the P.W.S.D. O.N. of 6/9/48. These papers may accordingly be sent to the P.W.S.D. for issuing the draft Letter & enclt. They may be returned to this Deptt. after issue.

Sd/-
6/9/48.

Sd/-
6/9/48.

548.D
C.

The letter at p.13 cont. having issued, the papers may be returned

W.O. to P.W.D.

Sd/-11/9.

13/9/48 W.O. to P.W.D. d. 11/9/48.

I.B.(II)

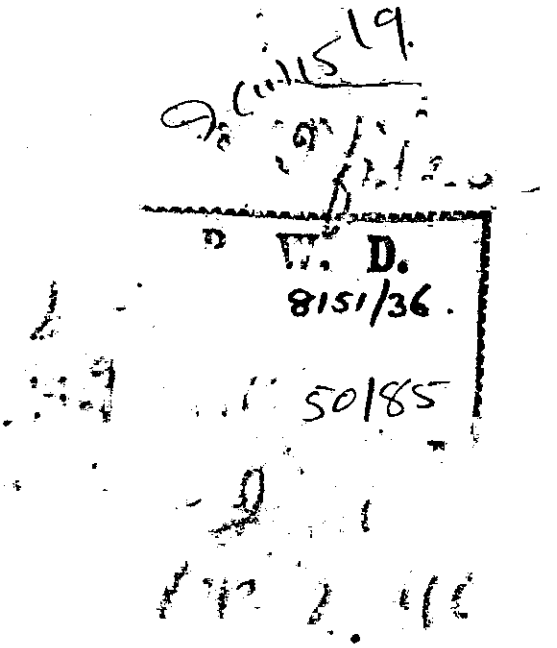
P.W.D.

Submitted

2. No further action is necessary on these papers which may now be recorded.

B.M.
16/9/48.

17/9/48.



Karnatak Provincial Congress Committee

ಕರ್ನಾಟಕ ಪ್ರಾಂತೀಯ ಕಾಂಗ್ರೆಸ್ ಸಮಿತಿ, ಹುಬ್ಬಳ್ಳಿ

President:-S. Nijalingappa
General Secretary:-V T. Magadi
Joint Secretary:-G. V. Hallikeri

Ref. No. 1131

Hubli, Dated 18th Aug 1948.

The Secretary
to the Government of Bombay,
P.W.D. (Irrigation),
Bombay.

Dear friend,

Please refer to P-1379/12-8-48 from the Director of Publicity re Daddi Irrigation Project.

I request the Government of Bombay to issue a statement as to the progress they have made in connection with this project and how much time ~~they~~ might take to start the Scheme. This inquiry is being made since the publication referred to, does not throw any light on the progress made towards this Project.

Thanking you,

Yours sincerely,

for V.T. Magadi
GENERAL SECRETARY.

I.B. (II)

Acknowledged under No. 8151/36-I.B. (II), dated the 26th August 1948.

25/8/48

25/8/48

25/8/48

26/8/48

I.B.(II) - 21/8

W. D.

No. 8151/36

Serial No. 45754

815/36/45754

P.W.D.

I.B.(II)

Submitted.

2. The ref. quoted in the letter No.1131, dated the 18-8-48 from the K.P.C.C. does not appear to have been recd. in this office. The Dir. of Publicity may, therefore, be requested u.o. to furnish a copy of his No. P-1379 dated the 12-8-48.

Thro. F.B.

M.K.L. 15/9/48

15/9/48

B.S.M. 17/9/48

16/9/48.

U.O.Y. to the Dir. of Publicity dated the 17th Sept. 48.

DIRECTORATE OF PUBLICITY.
No. D P/11004.
Date. 18/9/48.
BOMBAY.

Directorate of Publicity

These papers may now be returned to P.W.D. with a copy of this office Press Note No.P-1379 of August 12, 1948.

u.o.r. to P.W.D. No.DP/10053 dt 24/9/48

P. W. D.
File No. 8151/36
52783
Serial No. 25783

I.B.(II)
For disposal pl. see serial no. 5544/.

With the Compliments of
The Director
Government
BOMBAY.

P-1379
12.8.48

There is no truth in the report published in certain quarters that the Government of Bombay has abandoned the Daddi (Belgaum District) irrigation project on account of unavoidable circumstances.

Letter.

No.Bm/Daddi/II
Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 27th September 1948.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Daddi Dam Projects.
Alternative sites for --
Hadalga on Ghataprabha.

Reference : This office letter No.Bm/Daddi dated the 20th July 1948.

2. We have already started investigations on the various - alternative sites for Dams in the Ghataprabha Valley and have -- found Ajra to be the best, sites 1 and 1-A on Ghataprabha and site No.2 on Tamraparni being in the order of merit. this was already stated in preliminary report.

3. I had also in view the old sites (surveyed by Beale) viz. one at Hedalga on Ghataprabha and the second at Rajagdi on Tamraparni (both just a few miles above Daddi). Old papers and plans have now been traced and show that Hadalga is an extremely good site - as good as Ajra and perhaps better. I am now going deeper into this and intend visiting the site as soon as rains permit.

4. It will be appreciated that a Dam at Ajra and one at - Hedalga on Ghataprabha, leaving Tamraparni unharnessed but useful for monsoon supply will make an ideal Project. The fact that -- Hadalaga was in Kolhapur State was the difficulty but is no more so as the Administrator, Kolhapur has consented to compensate submerged lands by cash payments, no question of sovereignty rights

P.T.O.

being raised.

Superintending Engineer,
Special Investigation Circle.

RGY/25.9
Compd.by:

I.B.(I)
. For disposal pl. see serial No.55443.

16/10/48

DB(II)
1110

P. W. D.
File No. 8151/36
Serial No. 53893

20-7-48

2-7-48
4/15

Letter.

No.Bm/Daddi
Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 27/hSeptember 1948.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Daddi Dam Projects:
Submergence of Kolhapur State lands under the ---

Reference : Government, Political and Services Department, letter No.8151/36-I.B.(II), dated the 11th September 1948, addressed to the Prime Minister, Kolhapur State, Kolhapur.

2. A meeting was held in the office of the Administrator, Kolhapur, to discuss lines on which lands submerged by the Daddi or the Ajra Dam, should be compensated.

3. The advantages to Kolhapur by about 33,000 acres of land getting benefit of the Left Bank Canal (already sanctioned for - construction) and about 57,000 acres getting similar benefit from the Right Bank Canal (if sanctioned later on by the Government of Bombay) were explained. It was pointed out that the proportion of lands submerged to the lands thus benefited by irrigation was small.

4. It was agreed that the question of exchange of lands with sovereignty rights should be dropped and that the Government of - Bombay should give to the owners of lands, cash compensation, to be worked out by officers of the Kolhapur State. I suggested that - while doing so the State Officials should contact and consult similar officials of the Bombay Government who would be fixing compensation for submerged lands in Bombay Province, so that the two -

adjacent

(PTO

should be on par for similar type of lands situated similarly. The Administrator was kind enough to agree to this. It was also agreed that compensation for houses should also be worked out and paid on similar lines.

5. Actually the question of abatement of land revenue was not raised by the Officers of the Kolhapur State. It is obvious, however, that the Bombay Government will pay to Kolhapur Government, the capitalised value of the land revenue and take possession of lands.

6. The problem has thus been solved smoothly and we can now go ahead with either Daddi or Ajra Dams. As reported separately, the bores at alternative sites for dam are being taken and a report will be made as soon as sufficient information is available.

Superintending Engineer,
Special Investigation Circle.

IB(II).
1/10.

P. W. D.
File No. 8151/36
Serial No. 54022

RGY/25.9
Compd.by

I.B.(II)
For disposal pl. see serial No. 55463.
1-30 post

30-5-40

CONFIDENTIAL.

D.O.No.Bm/Daddi
Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 29th September 1948.

My dear

I called upon His Highness the Chatrapati -- Maharaj at 3-30 on the 24th September 1948 afternoon as so kindly arranged by you. I explained to him the -- enormous benefits to the Kolhapur State by about 33,000 acres getting advantage of irrigation as against only about 2,500 acres submerged in Ajra and I impressed upon His Highness how the additional grain on the area irrigated will be several times that from the land submerged.

2. Similarly the advantage of 57,000 acres getting the benefit of the Right Bank Canal (when taken up in future) from Daddi was explained as against the small area of 3,500 acres of paddy submerged from the Kolhapur State.

3. The fact that Kolhapur had to import grain and that thousands of tons of additional grain would be - available from the area irrigated even after deducting the loss from area submerged, impressed His Highness very considerably and he did not then press for the - question of sovereignty rights.

4. I am really thankful to His Highness for the interest he took and the patient hearing. In fact, he said that he would visit Ajra some time shortly and - would like to see the site. He said he would inform me.

Thanks for your co-operation and hospitality.

Yours

sd N. S. J.

To

Capt.V.Nanjappa, I.C.S.,
Administrator, Kolhapur State,
Kolhapur.

Copy ...

Copy with compliments to N.P.Gurjar, Esquire B.E., I.S.E., Secretary to Government, P.W.D., - Bombay.

2. I have already reported separately the consent of the Administrator of Kolhapur to acquire lands in Kolhapur State by regular acquisition, without exchange or the question of sovereignty being raised.

RGY/29.9
Compd.by:

Sec (I)

8151/36
55443

8151/36/55443.

I.B.(II) P.W.D.

Submitted together with serial Nos. 52783, 53893 and 54022. p.20 p.20-c p.24 p.26

2. Serial No. 52783: The Karnatak Provincial Congress Committee requests Govt. to issue a statement about the progress made on the Daddi Dam Project and the probable time Govt. may take to start this scheme. p.20

It has been decided by Govt. to issue a press note about Daddi Dam Project for the information of all concerned when the negotiations with the Kolhapur State are successfully concluded. From the S.E., S.I.Cs. letters dated the 27th and 29th Septr. 1948, it appears that the negotiations with the Kolhapur State have been successfully concluded: the Kolhapur State Authorities have agreed to drop the question of exchange of lands with sovereignty rights and to accept this Govt's. proposal of cash compensation to the owners of lands whose lands will be submerged under the Daddi Dam Project. It is for consideration whether a press note on Daddi Dam Project may be issued now or further developments, if any, about the negotiations with the Kolhapur State may be awaited. ff 23-27

xpl see reply to clause 4 C in Memo A: Daddam this question or p 7 of file no L A 80/46 kept below

This is what S.E. S.I.C. reports. We must have the conclusions final on receipt of confirmation by Kolhapur authorities.

S.E. will have to give addendum to give a summary of discussions so that Kolhapur will be addressed

3. Serial Nos. 53893, 54022 and 55443: Further developments, if any, regg. the negotiations with the Kolhapur State and the receipt of a report, promised in the concluding portion of para. 6 of the S.E., S.I.Cs. letter dated the 27-9-'48, may be awaited. p.24 p.26 p.28 p.26

Thro. D.E.(I)

BM 16/10/48

18-10

Margin

18/10

Early please

16/10/48

DS ✓

Seen ✓ Sept 21

No. Braf Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Via Dharwar, 15th Oct. 1948.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject: Selection of sites of Dams for storages for Ghataprabha Valley - trial bores for the-

---

I-n my previous reports it was made clear that of the various sites selected, Ajra was the best and that sites 1, 1A Daddi and 2 were next in order.

2. I have since found that Hadalga, a few miles upstream of the confluence of Ghataprabha and Tamraparni, is an extremely good site and is probably superior to even Ajra.

3. We are short of boring machines. I could secure only one from the C.P.H.E. and that was working so far at site 1A. I have secured one more on loan from Mr. Narendra SinghSinghan's establishment at Rakascope on rent. This latter has been sent to Ajra.

4. I do not think we should continue taking bores at site 1A or 1 when it is known that Hadalga is far superior to both and perhaps even to Ajra.

5. I therefore propose, unless I hear from you to the contrary to shift the boring machines from site 1A to Hadalga and start taking bores there.

P.T.O.

6. Details about Hadala, similar to the 6 alternative sites, are being sent separately.

Superintending Engineer,
Special Investigation Circle.

I 13(11)
19-10
18/10
8151/36
Serial no. 57238

8151/36/57238

I.B.(II) P.W.D.

Resubmitted (together with serial No. 57238) with p. 32 ante
the necessary draft for appl. pp 34-35 post

2. It is, perhaps, desirable to complete the investigation of sites that are already in hand before taking up the investigation of Hadalga site. This proposal made in para. 5 of the S.E., S.I.C's. letter dated the 15-10-48 p. 31 ante need not, therefore, be accepted. If this is agreed to, para. 2 of the endt. to the S.E. S.I.C. meets the case.

Thro. D.E.(I) Await p. 29 ante

BDD.
20/10/48

20.10
21

DS.

As SESIC considers Hadalga site is "far superior" to the sites [illegible], we need not object to S.E.'s action, tho' we may await receipt of details of Hadalga previously held

Secy. (Irrign)
SE(P)

HE/WPW

No. 8151/36-2.B.(II)

P.W.D.,
B.C., 25th Oct. 1948

To

The General Secretary,

Karnatak Provincial Congress Committee,
Hubli, Dist. Dharwar.

Subject :- Daddi Dam Project.

Dear Sir,

With ref. to your letter No. 1131, dated the 18-8-1948, on the subject mentioned above, I am directed to state that the investigation of alternative sites to the one at Daddi is in progress at present, and one or more sites, for the reservoir in the Ghataprabha ~~river~~ basin Valley will be selected when the investigation is over. ~~In order to expedite the progress on this scheme~~, A proposal to construct the first 44 miles of the Ghataprabha Left Bank Canal, which is a part of the Daddi Dam Project, ~~is a grow more food scheme in advance of the main project is under consideration of Govt.~~ has been approved by Govt. in advance of Dam Construction. Preliminary work on this is in progress. The Negotiations with the Kolhapur State in connection with the State lands to be submerged by the Daddi Dam Project are in progress; ~~and~~ A detailed press note on this project will be issued for the information of the public when the negotiations with the State are successfully concluded.

D-A. Nil.

Yours faithfully

Copy forwarded to the S.E., S.I.C., with ref. to his correspondence ending with his letter No. BM/Daddi, dated the 15-10-48 with a request to furnish this office with copies of the minutes of the meetings that took place between ~~you~~ him and the representatives of the

Kolhapur

8151/36/57238

Kolhapur State.

2. The boring machine should not be shifted from site I-A to Hadalga as proposed in para.5 of his letter under reply. The investigation of Hadalga site should not be taken up until the investigation of sites in hand is completed.

20/10/48

para 2 & endorsement to SE SIC

The Dept may issue orders

VTSre 21/10

Secy (I)

22/10/48

H.M. may kindly see before issue

HM PWD 25.10.48

27/10

22/10

No.3151/36-I.B.(II). Public Works Department,
Bombay Castle, 27th October 1948.

From

The Secretary to the Government of Bombay,
Public Works Department (Irrigation).

To

The General Secretary,
Karnatak Provincial Congress Committee,
Hubli, District Dharwar.

Subject:- Daddi Dam Project.

Dear Sir,

With reference to your letter No.1131, dated the 18th August 1948, on the subject mentioned above, I am directed to state that the investigation of alternative sites to the one at Daddi is in progress at present, and one or more sites, for the reservoir in the Ghataprabha Valley will be selected when the investigation is over. A proposal to construct the first 44 miles of the Ghataprabha Left Bank Canal, which is a part of the Daddi Dam Project, has been approved by Government in advance of the main Project of Dam construction. Preliminary work of this is in progress. The Negotiations with the Kolhapur State in connection with the state lands to be submerged by the Daddi Dam Project are in progress. A detailed press note on this project will be issued for information of the public when the negotiations with the state are successfully concluded.

Yours faithfully,

VMW. 27/10/48

for Secretary to the Government of Bombay,
Public Works Department.

D.K.- Nil.

Copy forwarded to the Superintending Engineer, Special Investigation Circle, with reference to the correspondence ending with his letter No.BM/Daddi, dated the 15th October 1948 with a request to furnish this office with copies of the minutes of the meetings that took place between him and the representatives of the Kolhapur State.

D.O.No.BM/Daddi Office of the Superintending Engineer
Special Investigation Circle,
Via Dharwar, 15th Oct.1948.

Dear Capt Nanjappa :

You know we are investigating into best sites for Dams in the Ghataprabha Valley. You have kindly agreed to allow the site at Ajra to be investigated, and I am thankful for the same.

2. A few miles above Daddi is a village called Hadal and this site was selected by Mr.H.F.Beale(the then Superintending Engineer, Special Duty) sometime in the period 1900 to 1910 as a very good site for Dam on Ghataprabha. Probably it was abandoned later on in favour of Daddi.

3. My recent investigations have shown that Hadalga is superior to Daddi and perhaps even to Ajra.

4. Let me assure you that these proposals do not involve the submergence of lands in Kolhapur more than what Daddi will, and as you have already accorded your consent to Daddi, I am directing Mr.Mane, Executive Engineer, Irrigation Projects Division(South) to investigate more closely that site also. The village is in Kolhapur State.

5. It will also please be noted that at this stage the scheme is in the stage of "Investigation". If and when it is finally selected, the matter will be taken up with Kolhapur State.

Yours sincerely

To

Captain V.I.Nanjappa,
B.A.(Hons).,
Administrator, Kolhapur State,
K O L H A P U R.

P.T.O.

Copy with compliments to Mr.P.M.Mane, B.E.,A.M.I.E., Executive Engineer, ~~Spm~~ Irrigation Projects Division (South),Belgaum.

Copy with compliments to Rao Bahadur A.G.Mayadeo, B.E.,A.M.I.E., Deputy Secretary to Government, P.W.D.

Copy with compliments to Mr. M.D.Bhat, C.I.E., B.A.(Bom),M.A.(Cantab),Bar-at-law,J.P., Chief Secretary to Government, Political and Services Department, Bombay.

2. It will be noted that in the recent meeting at Kolhapur the Administrator has agreed that the lands in Kolhapur should be compensated by cash payments, no question of transfer of lands with sovereignty rights being raised.

BR/

For perusal

Seen (1)

No action is necessary on this, beyond keeping it with the main file, on which a letter is being issued.

P.W.D.

No 8151/36

No. 57728

Minutes of the meeting held in the office of the Chief Secretary to Kolhapur Government on the 23rd September 1948 to work out some reasonable method of compensation for the submerged State lands.

--o--

The following officers were present at the meeting:-

1) Captain V.Nanjappa, Administrator, Kolhapur State

2) Rao Bahadur N.S.Joshi, Supdg.Engineer, S.I.C.

3) Chief Secretary to Kolhapur State

4) Mr. I.L.Mane, Executive Engineer, I.P.Divn.(S),Belgaum.

Rao Bahadur Joshi, Superintending Engineer, Special Investigation Circle explained to the ~~administrative~~ Administrator, Kolhapur State and Chief Secretary to Kolhapur State, Kolhapur, the advantages to Kolhapur state by about 33,000 acres of land getting benefit of the left Bank Canal (expected to be sanctioned for ~~the~~ construction) and about 57,000 acres getting similar benefit from the Right Bank Canal (if sanctioned later on by the Government of Bombay). He also pointed out that the proportion of lands submerged to the lands thus benefited by irrigation was very small.

It was then agreed to that -

1) Question of exchange of lands with sovereignty rights should be dropped.

2) The Government of Bombay should give to the owners of the lands and houses in Kolhapur State cash compensation to be worked out by the officers of the Kolhapur State who should, however, contact similar officers of the Bombay Government who would ~~be~~ at that time be fixing compensation for adjacent submerged lands in the Bombay Province, so that compensation ~~to~~

P.T.O.

to lands similarly situated and of equal quality should be the same (as far as possible) in both Kolhapur State and Bombay Province.

After further discussion on general matters the meeting was concluded.

Superintending Engineer,
Special Investigation Circle.

BM/Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 13th Nov.1948.

To

The Secretary to Government,
Public Works Department,
Bombay.

Subject: Daddi Dam Project.

Reference: Government endorsement, P.W.D.,No.8151/36-I. B(II), dated the 27th October 1948.

2. I send herewith a copy of the minutes of the meeting held at Kolhapur on the 23rd September 1948 as desired by Government

3. Even though the question of abatement of land Revenue was not discussed at the meeting it is obvious, ~~however~~, that the Bombay Government will pay to Kolhapur Government the capitalised value of the land revenue and take possession of the lands.

D.O.:
Copy of the minutes of the meeting.

Superintending Engineer,
Special Investigation Circle.

Copy with a copy of the minutes of the meeting forwarded with compliments to the Administrator, Kolhapur State, Kolhapur for favour of early confirmation in continuation of this office letter No.BM/Daddi dated the 8th October 1948.

8151/36
63339

I.B.(II)

P.W.D.

Submitted with ref. to G.E. No. 8151/36-B3,(II), dated the 27-10-48 for information. P 37 ante

2. Receipt of the information promised by the S.E., S.I.C. in para.6 of his letter dated the 15-10-48 may be awaited P 31 ante

Thro. D.E.(I).

B.D.M.
19/11/48

3) The question of merger of Kolhapur state in the B'bay Province is in the offing & by the time investigation of dam sites are ready, it may become an accomplished fact. Then onwards, thereafter, be smooth sailing with the Project according to Peter's report

D.E.
Secy (Irrign)
9 B II
19/11

Pl.
19-XI-48

19/11

Secy(I)

21/11

P. W. D.
File No. 8151/36.
Serial No. 63339

-11 hs.

Telegram - " CHAMBER "

Branch Office : BAGALKOT

Karnatak Chamber of Commerce

ಕರ್ನಾಟಕ ಚೇಂಬರ ಆಫ್ ಕಾಮರ್ಸ (ವಣಿಕ್ ಸಂಘ) ಹುಬ್ಬಳ್ಳಿ

MEMBER :
Federation of Indian Chamber of Commerce & Industry, New Delhi

Head Office - HUBLI
KARNATAK PROVINCE
(India)

MEMBER:
Provincial Road Board, Bombay &
M. S. M. Rly. Local Advisory Board
Madras

H./588.

HUBLI 11th Dec. 1948.

The Secretary to Government,
Public works Department (Irrigation)
Bombay.

Sub:- Daddi Irrigation Scheme.

Sir;

This Chamber has been receiving several enquiries from the public regarding the progress made by Government in the execution of the Daddi Irrigation Scheme. Will you kindly inform me the present position and when Government will actually commence the execution?

Thanking you in advance.

Yours faithfully,

R. V. Shirur

Hony. Secretary.

I.B.(II)

Acknowledged under No. 8151/36-I.B.(II)
dated the 18th December 1948.

[illegible]
20/12/48

16/12/48
18-12-48

Issue desk
18/12

18/12

9.B(II)
19/12

8151/36

69200

13-12-48

18/12

No.Bm.Daddi. Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar: 14th December 1948.

To

The Administrator,
Kolhapur State, Kolhapur.

Subject: Ghataprabha Valley Development Scheme:
Negotiations with Kolhapur State
regarding the submergence of lands
in the --

...

Sir,

Reference: This office letter No.Bm.Daddi, dated the 8th October 1948 and this office endorsement No.Bm.Daddi, dated the 13th November 1948. ~ P 43

2. I have the honour to invite a reference to the above-quoted letters and to request the favour of your very early confirmation of the decisions arrived at regarding the lands and houses to be acquired in the state limits in connection with the Ghataprabha Valley Development Scheme.

Yours faithfully,

for Superintending Engineer,
Special Investigation Circle.

D.A.:- Nil.

✓Copy with compliments to the Secretary to Government, Public Works Department, Bombay, in continuation of this office No.Bm.Daddi, dated the 13th November 1948, for information. ~ P 43 a/c.

RGY.15.12.
com'd.by

8151/36
6939

8151/36.

8151/36/69200.

P.W.D.

I.B.(II)

Submitted together with Serial No. 69200 (p.46):

2. Serial No. 69200 (p.45): The necessary draft put up (p.50 ante) on the lines of the reply given (p.37 ante) to the Karnataka Provincial Congress Committee reg: Dadoli Dam Project, may issue, if appd.

3. Serial No. 71091 (p.48): In this connection please see the D.E.(I)'s note (p.44 ante) dated the 19-11-48. Further developments in the matter may be awaited.

Thro. D.E.(I).

B.N.R. 23/12/48 · Rao 23/XII/48

J

D.S.

No. 8151/36-J.B. (II).

P.W.D.,
14 Decr. 1948.

B.C., 27.

To

The Hon. Secy.,
Karnatak Camber of Commerce, Hubli.

Subject :- Daddi Dam Project.

Dear Sir,

With ref. to your letter No. H/1588, dated the 11-12-'48, on the subject mentioned above, I am directed to state that the investigation of alternative storage sites to the one at Daddi is in progress at present, and one or more sites, for the ~~reservoir~~ in the Ghataprabha valley will be selected when the investigation is over. A proposal to construct the first 44 miles of the Ghataprabha Left Bank Canal, which is a part of the Daddi Dam Project, has been appd. by Govt. in advance of the main project of dam construction. Preliminary work on this is in progress. ~~The~~ Negotiations with the Kolhapur State in connection with the ~~State~~ lands to be submerged by Daddi Dam Project are in progress.

D.A. Nil.

Yours faithfully.

BSR. 23/12/48

23/12

ISSUED 23/12/48

-4/12-

Statement showing the principal features of the dam at Hadalaga, Ghataprabha River and raising the Dhupdal weir.

S.No.	Principal features.	DAM at HADLAGA		
		Safe run-off.	Higher run-off 2 shortages in 25 years.	Raising the Dhupdal weir from R.L.2006 to R.L.2023
1	2	3	4	5
1.	Situation	Situated 1.1/2 miles north of village Hadalaga, Dist. Belgaum.		Situated at Dhupdal 2 miles from Hukeri Road Rly.station.
2.	Catchment area in sq.miles	134		1080
3.	Average rainfall in inches	150"		78"
4.	Minimum rainfall in inches (1918)	110"		46"
5.	Run-off in M.cft.	19,000	29,500	4400 M.cft. (extra storage)
6.	Length of dam in feet	1,360'	1,430'	3,114'
7.	Height of dam in feet (above river bed)	95'	110'	49'
8.	No. of houses submerged	1,850	1,850	3,200
9.	Population affected (No. of souls)	8,600	8,600	16,000
10.	Total area submerged in acres.	14,500	18,000	7,480
11.	Probable submergence of paddy area in acres.	7,000	7,000	5400
12.	Cost of work in crores of rupees.	1.4	1.3	1.1
13.	Compensation in crores of rupees.	1.9	2.0	1.78
14.	Total cost in crores of rupees.	3.3	3.3	2.88
15.	Cost/M.cft. of storage	1,740	1,120	6,600

16. Special features:-

1) Separate saddle for waste weir is available.

2) Rock will be met with at very low depths. This has been verified from Mr.Beale's report.

Superintending Engineer,
Special Investigation Circle.

RGY/24.12
Compd.by:

No.Bm/Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 24th December 1948.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Alternative dam sites above Daddi.
Dam site at Hadlaga.

Reference : Continuation of this office letter No.Bm/Daddi dated the 20th July 1948.

As already reported by me in para 2 of this office letter No.Bm/Daddi dated the 15th October 1948, the dam site at Hadalaga on [Hiranyakeshi] river is an extremely good site and investigation of the same has already been commenced. The principal features of the dam site at Hadalaga together with rough costs of dam, waste weir, compensation to lands, houses submerged, etc. are worked out for two conditions of run-off

1) Safe run-off.
2) Higher run-off with two shortages in 25 years.

Similar figures for raising the Dhupdal weir are also given in the statement. These are submitted in the statement enclosed (being the same as the one in which information was supplied for other dam sites)

D.A.1 statement.

Superintending Engineer,
Special Investigation Circle.

9(11)
28/12

P. W. D,
8151/36

72296

9BII
27.12.68

D.O.No.G-16
Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 24th December 1948.

Dear Mr. Gurjar

While appreciating the popular publication -- "Towards a fuller life in Bombay Province", I think many of the figures needed revision before publication. A comparison of the figures would leave an impression that the Daddi Project was probably the worst (most uneconomic) while the Asoga Project was the most economic and so were others like Mula, Girna and Kukadi.

2. I have no doubt that the Ghataprabha Valley affords the best schemes, most economic in cost of storage and easy command and yet that very project is seen as costing the maximum per unit catered. I wish the figures were got corrected to fit in with, up-to-date information before publication. Probably we might do so at least next year

3. I would be thankful for being informed of the stage at which the prospects of Ghataprabha Left Bank Canal being approved administratively, stand. Thanking you,

I think this has been approved Sir

27/12

Yours sincerely

To

N.P.Gurjar, Esqr., B.E.,I.S.E.,
Secretary to Government,
Public Works Department,
Bombay.

9 (11) 27/12

I. W. D.
File No. 8151/36
Serial No. T2333

J B/O.

11.11.46 2nd P.

28/12

No Bh/Daddi

Office of the Superintending Engineer,
Special Investigation Circle,
Dharwar, 25-12- Dec.1948.

To

The Secretary to Government,
Public Works Department,
B O M B A Y.

Subject: Daddi Dam Project:
-- to be called in future as --
Ghataprabha Valley Development Project.

The investigations and reports made during the last year have shown that -

A

(1) the Daddi site for a Dam is by no means the best and that there are other sites on the three rivers in the Ghataprabha Valley.

(2) The site at Ajra and Hadalga are under investigation and are far better for economy unless proved ~~by~~ otherwise by results of foundation rock for crushing strength.

and B

(1) The canal systems possible include Ghataprabha Left Bank Canal but that there is no definite idea about the Right Bank Canal;

(2) That probably there is no water for the High level Daddi Right Bank Canal after catering for the Ghataprabha Left Bank Canal.

(3) Whatever the quantity left over may be, it can be utilized on the Dhupdal Right Bank Canal ~~which~~ which will have the benefit over Daddi Right Bank Canal of Monsoon floods without storage.

2. Instead, therefore, of refering to the Scheme as Daddi Dam Project, it should, I suggest, be called the " Ghataprabha Valley Development Project" on further communication.

3. I request Government approval to this.

Superintending Engineer,
Special Investigation Circle.

Ghm4/12

2BII 29/12
B. W. D,
8151/36
Shelf No. 72616

8151/36/72616

P.W.D.

I.B.(II)

Submitted together with serial NOS. 72296 and 72333. p 164 F 3

2. Serial NOS. 72296 and 72333: For information p 164 p 136 p 165

As regards para. 3 of the S.E., K.I.C's. D.O. letter dated the 24-12-48, it may be stated that the papers (file No. 9194/36) containing the proposal to accord administrative appl. to the Ghataprabha Left Bank Canal Scheme have been submitted to the H.P. in connection with certain point raised by him.

3. Serial No. 72616: In the circumstances stated in his letter dated the 25-12-48, the S.E., K.I.C. suggests that the 'Daddi Dam Project' should be called as 'Ghataprabha Valley Development Project' in further communications. It is for consideration whether this suggestion may be accepted.

I agree with the suggestion
DSE
5/1

4. ~~Receipt of~~ The information called for in para. 3 of G.L. No. 8151/36-I.B.(II), dated the 7-7-48 (p 87 ante) has not been recd. so far. The S.E. may be expedited in the matter.

5. No reply has been recd. to the G.L. at p.37 ante. It is, perhaps, not necessary to expedite the S.E. in the matter.

Thro. DE.(I).

B.S.P.
4/1/49

6) Para 3 may be OK. The nomenclature "Ghataprabha Valley Project" will be more appropriate.

Rg
4.1.49

D.S.

See margin

Secy. (Irrign.)

5/1/49

H.P.
5/1

I.B.(II)

Resubmitted with the necessary draft

for appl.

2. It is, perhaps, not necessary to trouble

the H.M., P.W.D. with these papers.

Thro. DE.(I)

BDO.
8/1/49

11/1

HM May see before issue

Sy (I)

13.1.49

HM. PWD

13.1.49

13/1

14/1

Letter

No. 8151/36-I.B.(II).

P.W.D.,
B.C., 17th January. 1949.

To

The S.E., K.I.C.

Subject :- Ghataprabha Valley Development Project.

Ref :- Your letter No. Bm/Daddi, dated the 25-12-48. p.167 ante.

2. "The Daddi Project" appearing against serial No. 32 in Statement 'A' under Scheme No. 2 of the Post-War Reconstruction in Bombay Province, Revised Five Year Blue Book, Plan, should be ~~called~~ denominated as "Ghataprabha Valley Development Project" in future.

By order etc.

D.A.
Nil

Copy forwarded to
the R.C.D.,
the F.D.,
the R.D. & R.P.D.,
the A.C.S.,
the S.E. S.C. with the G. of B.
the Dir. of Agriculture
the Collrs. of Belgaum, Bijapur and Dharwar Dists.
the A.G., Bombay
the Ex. Engrs. Ghataprabha Left Bank Canal Dn. Belgaum Dn.
the Ex. Engr., ~~Belgaum~~ Irrign Projects Dn (South)
The Ex. Engr., Belgaum Dn.

8/1/49 (Rs. 100)
8/1

Issue n... 14/1

Ds.

Letter.

No. 8151/36-I.B.(II). Public Works Department.
Bombay Castle, 17th January 1949.

To

The Superintending Engineer, Karnatak Irrigation Circle.

Subject:- Ghataprabha Valley Development Project.

Reference:- Your letter No. Bm/Daddi, dated the 25th December 1948.

2. "The Daddi Project" appearing against serial No. 32 in statement 'A' under scheme No. 2 of the Blue Book, Post-War Reconstruction in Bombay Province, Revised Five Year Plan, should be denominated as "Ghataprabha Valley Development Project" in future.

By order of the Governor of Bombay,

(K.V.Joglekar)
for Deputy Secretary to the Government of Bombay,
Public Works Department.

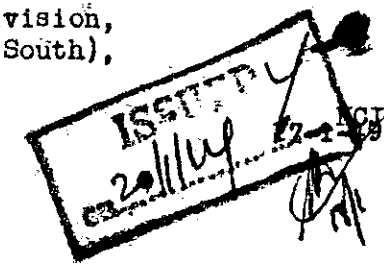
D.A.-Nil.

Copy forwarded to -

the Reconstruction Department,
the Finance Department,
the Revenue Department,
the Agriculture and Rural Development Department,

the .....

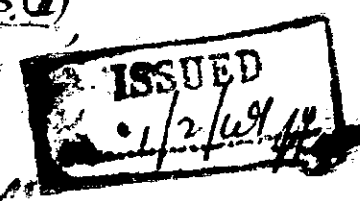
the Commissioner, Southern Division,
the Superintending Engineer, Southern Circle,
the Electrical Commissioner with the Government of Bombay,
the Director of Agriculture,
the Collectors of Belgaum, Bijapur and Dharwar Districts,
the Accountant General, Bombay,
the Executive Engineer, Ghataprabha Left Bank Canal Division,
the Executive Engineer, Irrigation Projects Division (South),
the Executive Engineer, Belgaum Division.



Inf.
2/1

L.B.(E)

The S.E., K.I.C., expedited, with ref. to para. 3 of the G.L. at A-87 ante., under no. 8151/26-2B.(E) dated the 1st Feb. 1949. marked urgent



BSR
28/1/49

1/2

BY REGD. POST.

No. Bm/Daddi

Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, 18th Jan.1949.

To

The Administrator,
Kolhapur State, Kolhapur.

Subject: Ghataprabha Valley Development Scheme--
Negotiations with Kolhapur State regarding
submergence of lands in the..

Reference: This office letters Nos. Bm/Daddi of 8-10-1948
13th Nov.1948 and 18th December 1948.

P 157

Sir,

I have the honour to invite a reference to the above quoted letters and to request favour of an early confirmation of the decisions arrived at regarding the lands and houses to be acquired in the State limits in connection with the Ghataprabha Valley Development Scheme; Decision regarding the dam sites depends upon this. An early confirmation is therefore requested.

Yours faithfully,

Superintending Engineer,
Karnatak Irrigation Circle.

8151/M
1-7-1991

Copy with compliments to the Secretary to Government, Public Works Department, Bombay in continuation of this office letter No.Bm/Daddi dated the 18th Dec.1948 for information.

P.157a

BR/15-1.
Compd.by:

I.B.(II)

P.W.D.

Await.

B.P.
8/2/49

8/2/49.

H.S.

(Inwd (8-4-49)
8/2

IB II
21/1
(-351

P. W. D.
8151/36
No. 4530

9 BII
20-1-49

No.Bm/Daddi

Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, 4-15 February 1949.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Ghataprabha Valley Development Project.
Revaluation of the lands likely to be submerged under the Daddi Storage Reservoir.

Reference : Para (3) of Government letter No.8151/36-I.B.(II), dated the 7th July 1948 and subsequent reminder dated the 1st February 1948.

2. The Collector of Belgaum was requested by the Executive Engineer, Irrigation Projects Dn.(South), Belgaum, in his letter No.P-10/Ghp/P/2268 dated the 25th March 1948 to revalue the lands likely to be submerged under the Daddi Storage -- reservoir. The Collector was further reminded by the Executive Engineer, Irrigation Projects Dn.(South), Belgaum, as well as by the Undersigned under this office No.Bm/Daddi dated the 15th January 1949. The reply is however awaited still. The Collector is being expedited this day to supply the information at a very early date and copy being sent to the Commissioner also.

Superintending Engineer,
Karnatak Irrigation Circle.

8151/36
9493

I.B.(II) P.W.2

Submitted for information with ref. p.87 ante to para. 3 of G.L. No. 8151/36-I.B.(II), dated the 7-7-'48.

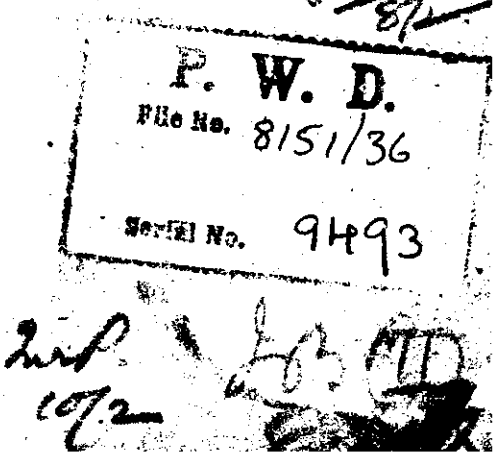
Await.

10/2/49

Kj 10/2/49

D.S. 9/II 10/2

Await (10-4-49)
10/2



Letter.

No. 8151/36-I.B.(II).

Public Works Department.
Bombay Castle, 17th January 1949.

To

The Superintending Engineer, Karnatak Irrigation Circle.

Subject:- Ghataprabha Valley Development Project.

Reference:- Your letter No. Bm/Daddi, dated the 25th December 1948.

2. "The Daddi Project" appearing against serial No. 32 in statement 'A' under scheme No. 2 of the Blue Book, Post-War Reconstruction in Bombay Province, Revised Five Year Plan, should be denominated as "Ghataprabha Valley Development Project" in future.

By order of the Governor of Bombay,

K.V.Joglekar,
Deputy Secretary to the Government of Bombay,
Public Works Department.

D.A.-Nil.

Copy forwarded to -

the Reconstruction Department,
the Finance Department,
the Revenue Department,
the Agriculture and Rural Development Department,

the .....

the Commissioner, Southern Division,
the Superintending Engineer, Southern Circle,
the Electrical Commissioner with the Government of Bombay,
the Director of Agriculture,
the Collectors of Belgaum, Bijapur and Dharwar Districts,
the Accountant General, Bombay,
the Executive Engineer, Ghataprabha Left Bank Canal Division,
the Executive Engineer, Irrigation Projects Division (South),
the Executive Engineer, Belgaum Division.

17-1-49. KCJ.

I.B.(II).O.N.

The following Branches are requested to carry out the necessary modification in their Branch copy of the 'Blue Book' and return this to I.B.(II)

AGP
24/1/49

To
W.B., 25/1/49.
A.B.(II) and (III)
C.B.(I) and (II) 26.1.49
E.B.(I) 11-2-49 27/1/49
El. Br. 11/2/49
M.B. 12/2/49

Awaiting C.O. 11.; 22.2

No.Bm/Daddi

Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, 4th March 1949.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Ghataprabha Valley Development Project:
Revaluation of lands etc.

Reference : This office No.Bm/Daddi dated the 4th February 1949. P 177 ante

2. The Collector of Belgaum has since written in -- saying that the re-valuation statements were submitted to the Executive Engineer, Irrigation Projects Dn.(South), as early as on the 7th November 1948. Unfortunately, the -- Executive Engineer, Irrigation Projects Dn.(South), transferred these to the Executive Engineer, Ghataprabha Left Bank Canal Division, without making it amply clear that it was an important case and that immediate report was due to this - office and from this office to Government. The delay is, therefore, regretted. The staff responsible for the ---- carelessness is being dealt with suitably.

3. The revaluation as submitted by the Collector now puts the value of lands to be submerged by the Daddi lake at 2.1/2 crores as against 5 crores as reported originally. This will no doubt reduce the cost of Daddi Project but the same will occur about the alternative sites also and as such Ajra and Hadalga are still considered superior to Daddi. A report on actual figures will follow.

4. The question of house compensation is equally -- important and it will not be incorrect to expect that cost of house compensation which was originally reported by the Revenue Authorities as 2 crores may now come down to 1 crore (50%) as in the case of lands. This too is being referred to the Collector of Belgaum.

5. .I, however, consider that the procedure of valuation at the hands of the normal channels of the Revenue -- Department in the case of projects of such magnitude where an expenditure of crores of rupees is involved in compensation is not correct. The very fact that valuation of -- 5 crores has changed within a short period to 2.1/2 crores, when lands elsewhere do not show similar depreciation, is sufficient proof to show that such "mechanical valuations" are not the right method. Such a method may have been suitable when the cost of lands formed a small fraction of the total cost of the scheme as e.g. in the following cases of lakes in Deccan Irrigation Circle.

Name of Lake	Compensation (land and houses) / Total cost of scheme
Lake Whiting	6%
Lake Fife	9%
Lake Beale	7%
Lake Hill	1.1/2%
Chankapur lake	2%

P.T.O.

Even in the case of pick-up weirs and shallow lakes (like -- Dhupdal), the percentage of land compensation, was small as can be seen from the following :-

Vir weir	8%
Madhmeswar weir	25%
Dhupdal	25%

On the other hand with valuation of lands as reported by the Collector of Belgaum the percentage of land compensation to works in the case of Daddi is as under :-

Daddi Dam:-

Former estimate of land compensation.		250%	
House compensation.		100%	
	Total	350%	
Reduced estimate of land compensation.		125%	
House compensation		50%	assuming house compensation is also reduced by 50%.
	Total	175%	

I have also estimated approximate figures of land and house compensation for some other sites of dams in the Ghataprabha Valley e.g. Ajra, Hadalga, etc. and even if land and house compensation were reduced in proportion to the reduction reported upon by the Collector of Belgaum for Daddi, the percentage of land compensation to total cost of works will be as under:-

Other more suitable sites of Lakes in Ghataprabha valley.	75% to 150%.

6. The procedure followed in the past, viz. working out detailed plans and estimates for works (earth-work, masonry work and iron work) by creating special Divisions like Irrigation Projects Division (South) and leaving the valuation of land to ordinary revenue Division is, in my opinion, not satisfactory. I am personally very doubtful about the correctness of the valuation as submitted by the Collector which changed within a couple of years from 5 crores to 2.1/2 crores. In fact if we have to accept this reduced estimate of 2.1/2 -- crores, it is essential to have a detailed explanation as to how the former valuation was so grossly incorrect and whether the mistake was due to carelessness of the personnel responsible or due to incorrect procedure followed.

7. I fear that the very basic principle of expecting correct estimate for land compensation by detailed valuation for each S.No. to be done by the normal officers of the Revenue Department is wrong. So far as could be ascertained, the rate per acre of land is based on

(a) the rate at which actual transactions of sale and purchase took place during recent years,.

(b) a certain figure by which to multiply the land assessment per acre.

Regarding (a) above, I must record that transactions of lands are by no means very common and to base valuation on a few

stray transactions, which are an outcome amongst others of many factors not common to other cases, would be wrong. -- Again it is hardly possible that transactions have taken place for each of the various items, only a few of which are indicated in the statement in para 9 below. Correct application of (a) above is, therefore, difficult if not almost impossible. Regarding both (a) and (b), I think a more - rational and dependable method must be adopted; otherwise Government may find themselves in a very awkward situation -

(a) by having a low estimate first and finding it increased by 100% when actual compensation has to be paid,

or (b) by having a high estimate and then finding people naturally raising their expectations and Government being required to pay high because the provision in the estimate is high.

8. Again it stands to reason that the various parts of a project are worked out on lines comparable to each -- other.

In the case of land compensation, the procedure ordered by Government is actual valuation of each S.No. by local officers. This does not fall in line with the estimates for works (earth work, masonry, steel etc.) where Government orders are that estimates should be based on 1938-39 rates plus 100%.

This half-way procedure is undesirable. We should have one of the following :-

(A) That actual estimates for works as well as for land and house compensation should be based on "present day market rates".

or (B) That actual estimates for works as well as land compensation should be based on certain arbitrary principles e.g.

(1) cost of works @ 1938-39 rates plus a certain percentage,
(2) valuation of lands at a certain proportion of the assessment or as per 1 + 3
(3) valuation of houses based on rates same as (1) above i.e. 1938-39 rates and a certain percentage (same as in (1) above)

9. The fact that land compensation and house compensation together cost 5 to 7 crores, as compared with 2 crores for works in the case of Daddi, would indicate that the work of estimating compensation deserves to be handled much more carefully and at the hands of a specially experienced -- officer and staff. I consider that the work of estimating compensation where crores of rupees are involved (several times the cost of works) should be allotted to a special "Land Valuation Officer", of the rank of a senior Deputy Collector and in charge of a sub-division to be called "Land Valuation Sub-Division" under the Executive Engineer in - charge of projects (the Executive Engineer, Irrigation - Projects Division(South) in this Circle). He should have at his disposal experienced staff also. Even so it is also - essential to lay down definite principles and procedure which should be the subject of discussion by correspondence and meetings, with orders accepting the rates issued by the controlling officer. The basis of valuation should be -- determined more or less in the form of rates for items like those given below. The Executive Engineer will have to - frame with the help of the "Land Valuation Officer" a --

or an assistant Collector with

schedule of rates for land, and houses and wells on the same lines as the schedule of rates for items of works (like masonry of various types, wood work, earth-work with various leads and lifts) which he is required to keep by account rules.

Main item	Sub-item	Name of item	Rain-fall.	Situation	Rate per acre in Rs. ~~prevailent in a given year say 1938-39~~
1	a	Rice fields	100" & above	Low lying	1,200
	b	do	do	High up	500
	c	do	do	Medium	800
2	a	do	60" to 100"	Low lying	800
	b	do	do	High up	400
	c	do	do	Medium	600
3	a	Jawar lands	40"	Deep soils	350
	b	do	do	Shallow	200
	c	do	25"	Deep soils	250
		do	25"	Light "	150
4		Murmad lands unsuitable for Jawar			100

Many other items will have to be added. From these figures we will have to work out proportion of value per acre to assessment per acre per year.

We will also have to work out rates to be paid for house compensation somewhat on the following lines

5	Houses	Mudwalls	C.I.sheet roof	Rs.3/sft.
	"	Stone in lime walls	do	Rs.5/sft.
		do	Mangalore tiles	—
		etc. etc.	etc.	

6	Reduction in compensation		To be based on life
	Mudwalls	C.I.sheet roof	25
	Stone in lime	do	40
	do	Round tiles	20
	do	Dhaba	12
	etc.	etc.	etc.

10. In the case of wells and lands under Bagayat the schedule of rates for land will have to be even more - carefully drawn out. It is common to find actual cost of well being paid in addition to high cost of land. This - does not appear to be correct. If cost of well is paid in full, the cost of land should be at normal rates for similar land without irrigation. On the other hand if a high rate is to be paid for land (being under irrigation), then -- separate payment for the cost of well in addition does not appear justifiable. I do not wish to stress on the acceptance or otherwise of this particular statement but this - should serve as a typical example of how items get complicated and require careful handling.

11. Unless the whole subject is handled very methodically and at the hands of special staff earmarked for the purpose, the estimate of land and house compensation is - going to be mere speculation which will make our very basic estimates of costly schemes unreliable.

12. On getting from Government general approval to my ideas, further proposals will be taken up with the communication of Government.

Superintending Engineer,
Karnatak Irrigation Circle.

RGY/2.3
compd.by

9B II
9/3

8/3

P. W. D.
File No. 8/51/36
--sl No. 16586

9/3 · 9 B II
7 - t f

I.B.(II). P.W.B.,

Submitted. pp. 87-88 ante.

2. This has ref. to para 3 of G.L. No. 8151/36, dated the 7-7-48. The revaluation as now reported by the Collr. of Belgaum puts the valuation of lands to be submerged by the Daddi lake at 2½ ~~crores~~ crores against Rs.5 ~~crores~~ crores as reported originally. In view of the fact that the valuation of Rs.5 ~~crores~~ crores has changed within a short period to Rs.2½ ~~crores~~ crores, when lands elsewere do not show similar depreciation, the S.E., K.I.C., considers that the following basic principles adopted by the officers of the Rev. Deptt. in estimating the land compensation to be paid is wrong:-

(a) the rate at which actual transactions of sale and purchase took place during recent years.

(b) a certain figure by which to multiply the land assessment per acre.

He states that the valuation of lands should be in line with the estimates for works (earth work, masonry, steel, etc.,) where the estimates are to be based on 1938-39 rates plus 100%. He suggests that one of the following two methods should be adopted in estimating the value of lands:-

(A) That actual estimates for works as well as for lands and house compensation should be based on "present day market rates".

OR

(B) That actual estimates for works as well as land compensation should be based on arbitrary principles e.g.

(i) cost of works at 1938-39 rates plus a certain percentage.
(ii) valuation of lands at a certain proportion of the assessment.
(iii) valuation of houses based on rates of 1938-39 and a certain percentage.

In order to ~~facilate~~ facilitate the valuation of lands of different varieties, he suggests that a schedule of rates for lands, houses and wells on the same lines as the schedule of rates for items of works like masonry of various types, wood work etc., please see the schedule of rates for lands, houses and wells given by the S.E., at p. 184 ante.

3. In the case of Daddi Scheme (now called the Ghataprabha Valley Development Project), land compensation and house compensation together cost Rs. 5 to 7 ~~crores~~ crores as compared with Rs. 2 ~~crores~~ crores for works; the cost of lands is nearly 35% of the total cost of the scheme. The

S.E.,..

S.E., K.I.C. states that the"mechanical valuations" done in the past in estimating the value of lands is not suitable for works of the magnitude of Daddi Scheme. He, therefore, suggests that the work of estimating compensation where ~~crores~~ crores of rupees are involved should be allotted to a special "Land Valuation Officer" of the rank of a senior Deputy Colln or an Asstt. Collr. and in charge of a Sub-Dn. to be called "Land Valuation Sub-Dn." under the Ex. Engr. in charge of projects. With the help of this officer, the Ex. Engr. should prepare the schedule of rates for lands, houses and wells. The estimate for land compensation which is worked out by "mechanical valuation" will be naturally high. If the estimate is high, naturally the people raise their expect-tation and Govt. will have to pay high rates; the value of lands to be submerged by Daddi lake is now reported by the Collr. at Rs.2½ ~~crores~~ crores against Rs.5 ~~crores~~ crores as originally reported. In the circumstances, it is considered desirable to appoint a special "Land Valuation Officer", as proposed by the S.E. The Rev. Deptt. which is concerned with the S.E's. proposal may be requested u.o to consider it.

22/3/49

Through D.E.(I).

as on. 1.89 24/3/49.

D1 2 GMA 22/3/49.

Secy. Chrgn)

U.O to R.D.

out of the two suggestions of the S.E. K.I.C., the first suggestion viz (A) that actual estimate for works as well as lands + houses should be based on "present day market rates" is preferable to that of (B) viz that actual estimates for works as well as land compensation should be based on arbitrary principles.

I agree
Yr 6/3/49

usually the Rev authorities are referred to for the valuation of land, which method works alright for small works, but for a big project a detailed estimate for land, wells, houses + trees etc is necessary + the valuation is worked out by revenue authorities. The estimate will be better in accuracy if the staff of the Rev. authorities work under P.W.D. officers, or attached to the P.W.D. offices. Hence

I agree
Yr 6/3/49

the S.E's suggestion to appoint a special "Land valuation officer" ~~with~~ may pl be

approved.

If necessary, the opinions of the S.Es on project, viz. S.E.S.Q.C. + S.E.E.C may be called for.

This does not seem to be necessary.
Kpb/3/49

Algarsin.
D.E.(I)
24/3/49.

Marginio.
Kpb/3/49

A special land acquisition valuation officer may be obtained by the R.D who should take into account the various aspects of valuation. I do not think it desirable that this valuation should be done by PWD or that the PWD has to should be closely associated with the same. Whilst it may be true that compensation cases will affect our project figures, the public will have cause to complain, that PWD is the department which is most interested in keeping the cost down & hence they are not getting adequate compensation. The R.D. which deals with the matter of land acquisition etc should deal with this question.

Jesy (I)

Jesy
28/3/49

8151/36/16586.

P.W.D.

I.B.(II)

Resubmitted.

2. In view of the Secy. (Irrign)'s note dated the 28-3-49, the S.E., K.I.C's. letter dated the 4-3-49 and the papers containing the notes recorded thereon may be transferred for disposal to the R.D. after usr. to that Deptt.

p.190 pp.181-185 pp.187-190

BDH. 4/4/49

4/4/49.

JHS. U.O. to R.D. dy 6-4-49

U.O.R. to R.D. Issue UE 4/4

REVE. UE DEPARTMENT
File No. 24
Date 6/4/49
Serial No. 9

Dr. mr. C 7/4.

Rev.Deptt.
'G' Br.

The proposal is reg.appointment of a spl.Land Valuation Officer for doing valuation of the lands to be acquired for purposes of the Ghataprabha Left Bank Canal Project. Pleas see G.L.No. 9541-G/45, dt. 17/1/49. A post of the Spl.Land Acqn.Officer has been sanctioned in the grade of the D.D.C. The valuation work is done by him in accordance with the instructions contained in the L.A.Manual. Moreover, when the amount of compensation exceeds Rs.10000, the case is invariably referred to the Con. Sur.to Govt. As such, there does not seem any necy. to appoint the Spl.Land Valuation Officer' in addn. to the S.L.A.O. These papers may be returned to the P.W.D. with the above note.

2. Since the officer to be appointed is proposed to be under the administrative control of the P.W.D., the proposed transfer can be accepted.

19/4/49

21.4.49.

U.S.

8151/36

27394

DD/19/4/

1.B.(II) p.215
For disposal pl. see serial No. 29468.

16/5/49

No.Bm/Daddi

Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, 23rd April 1949.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Ghataprabha Valley Development Scheme.
Revaluation of lands etc.

Reference : This office P 181 No.Bm/Daddi dated the 4th March 1949.

2. I invite reference to my letter quoted above and inquire as to when orders of Government may be expected in the matter.

D.A.Nil.

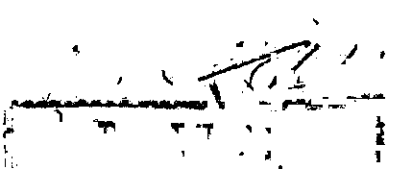
Superintending Engineer,
Karnatak Irrigation Circle.

I.B. (II)/ p. 215 post

For disposal pl. see serial no. 29468.

16/5/49

I(11) 28/4



8151/36

28413

Confidential No.Bm/Daddi dated 5-3-1949, from the Superintending Engineer, K.I.C., Dharwar, to the Commissioner, S.D., Belgaum.

Subject:- Land Valuation.

"Reference : Continuation of this office No.Bm/Daddi dated the 23rd February 1949 addressed to the Collector of Belgaum and copy endorsed to you.

2. I regret the valuation papers sent by Collector in November 1948 were misplaced by my Executive Engineer. The valuation of lands and houses in Irrigation lakes forms a subject far more important than what it was in the past. Accounts of old Irrigation reservoirs show that land and house compensation of submerged areas formed only about 6 to 10% of the total cost of a large irrigation tank. Even in the case of pick up weirs and shallow lakes, land compensation formed only about 15 to 25% of the total cost of the weir.

3. On the other hand, the land compensation was estimated formerly in the Daddi Dam at 5 crores and the house compensation at 2 crores, against the cost of the dam itself which was 2 crores. Land and house compensation therefore costs 3.1/2 times the cost of actual masonry and steel work for the dam.

4. The latest figures supplied by the Collector of Belgaum show the land compensation at 2.1/2 crores instead of 5 crores. Obviously the former estimate must have been wrong. One would therefore naturally expect that the valuation of houses (to be submerged) which was formerly estimated at 2 crores (about) may also be similarly wrong.

5. It is therefore essential to have the figures of house compensation for Daddi also revised and I request that the Collector of Belgaum may please be directed to take up that work in hand.

6. Actually the fact that the valuation of land has fallen down by 50%, when we do not find that land values elsewhere have depreciated and the large amount of compensation involved in land as compared with actual cost of Dam proper, require that the principles on which figures of land and house compensation are estimated should be examined carefully. If this is not done we may find our estimate to be incorrect and the financial forecasts on these estimates misleading.

7. I, therefore, request that the Collector of Belgaum be directed to report reasons why the land compensation as estimated now has fallen down by as much as 50% and also to prepare a note explaining principles and procedure on which it was based formerly and done now.

8. I also suggest that an experienced Deputy Collector be requested to write out independently note on how the revenue officers work out detailed figures of land compensation in large scale valuation as in the case of Daddi Dam.

9. We have other alternative sites in view and a note of this type will be valuable as guide in the case of Daddi as well in the case of other projects. The note should also cover the valuation of houses.

10. This subject is very important and I would like to be informed of the action being taken."

CONFIDENTIAL.
No.Dm/Daddi

Office of the Superintending Engineer,
Karnatak Irrigation Circle.
Dharwar, 26th April 1949.

To

The Commissioner,
Southern Division, Belgaum.

Subject:- Land Valuation.

Reference : This office confidential letter No.Dm/Daddi dated the 5th March 1949.

2. I invite a reference to my above quoted letter and request you to inform me whether the note explaining the principles and procedure on which the land valuation of Daddi Dam was based formerly and also the procedure now adopted, is ready. If so, I request that the same may please be sent for my perusal early.

D.M.Nil

Superintending Engineer, K.I.C.

Copy, with copy of this office No. mentioned above, forwarded with compliments to -

1) the Secretary to Government, P.W.D., Bombay,
2) the Executive Engineer, Irrigation Projects Dn.(South), Dharwar,
3) the Executive Engineer, Ghataprabha L.B.C.Dn.,Dhupdal.

RGY/25.4
compd.by.

I.B. (II) . p 215

For disposal pl. see serial no. 29468.

OSD
16/5/49

P. F. D.
File No. 815-1/86-
Serial No. 28607

Letter No.A.8-P.R.13-180/48-9 dated 19th October 1948 from the Deputy Commissioner, Mandya District, to the Revenue Commissioner in Mysore, Bangalore.

Subject:- Resettlement of displaced ryots from the basin of Krishnarajasagara Dam.

"With reference to your office docket No.C.5.103/48-49 dated 15-7-1948 forwarding a copy of letter No.M.I.(1) dated 23-6-1948 from the Superintending Engineer, Investigation Circle, Dharwar, received with letter No.47/K.S.S.dated 8-7-1948 from the Chief Engineer for Irrigation in Mysore, Bangalore, requesting clarification on some points connected with the above question, I have the honour to state that a copy of the note on "Land Compensation K.R.Sagar Reservoir" referred to in the letter of the Superintending Engineer, Dharwar, has not been sent to me for reference. A copy of the note would have enabled me to know exactly what points therein require further clarification. From what I could make out from the points raised in the Superintending Engineer's letter, however, I have tried to meet the several issues raised therein.

The main reason for not acquiring any land from the area commanded by the main scheme, for distribution among the displaced ryots, appears to be, that the dam construction and the opening of the Irrigation channels from the Reservoir were not taken up simultaneously. The interval between the acquisition of lands for the construction of the reservoir and the opening of irrigation channels therefrom was very considerable. Ryots displaced from the K.R.S.Basin could not possibly wait for the excavation of channels under the main scheme to get irrigable lands in exchange and settle themselves. It would have been, no doubt a great hardship, if grant of exchange lands to the displaced ryots was either denied or postponed indefinitely and hence Government passed orders from time to time directing 1/3 surrender to Government of lands commanded by the extension of the marginally noted channels so that the surrendered lands might be made available for grant to the displaced ryots. These lands also were near about K.R.S. area and some directly under its command, though the channels themselves were old. The expropriated ryots did not therefore find much difficulty in settling down in the new localities provided for them. It is certainly a wholesome principle to accommodate the displaced ryots in the very area commanded by the project, that has deprived them of lands, but for reasons explained above, this principle could not perhaps be adhered to and on account of the proximity of the above extended channels to the K.R.S. area the expropriated ryot does not, in fact, feel that he has been taken far away from the K.R.S. basin.

1. Extension of C.D.S.Channel.
2. Madhavamanthri Channel Branch.
3. Baboorayanakoppal Sluice Channel.
4. Chikkadevarayasagara New Channel.
5. Extension of Strotramnya Branch of Madhavamanthri Channel.
6. Extension of old Mandagere channel.
7. Extension of old Hemagiri channel.
8. Extension of Chamraja Right Bank Channel.
9. Left Bank Low level channel drawn from K.R.S.
10. Right Bank Low Level channel drawn from K.R.S.

The scheme of taking of 1/3 surrender from the holders of land commanded by the new projects and the reservation of Government waste lands in the area for settling the displaced ryots has to be made as the general rule as suggested by the Superintending Engineer, Dharwar, in his note so that the ryots may not cherish a grievance against Government.

B. The system of irrigation followed under the above channels is seasonal and not perennial. The crops grown

on the lands granted in exchange to the expropriated ryots is either dry or paddy according to the conditions of the lands granted in exchange to the expropriated ryots is either dry or paddy according to the conditions of the land. The lands submerged under the K.R.Sagar were of all classes dry, wet or garden and the lands granted in exchange were generally similar to the class of lands acquired. The expropriated ryots selected lands and the same were granted in accordance with a ratio fixed by Government in this connection.

C. In the case of K.R.Sagar Reservoir the question with regard to the quantum of rainfall did not arise as the area submerged and the area in which exchange lands were granted were tracts with almost the same quantity of rainfall. If, however, the difference of rainfall between the two tracts is considerable as suggested in the note it is but reasonable to take note of this factor also while giving exchange lands. Some general principles with regard to the grant of exchange lands in such cases might however be laid down by Government for guidance, each case being decided on its merit by the land acquisition officer. In this area of not much difference in rainfall, there have been cases of inequality between the land taken and that given in exchange and to cover such cases general principles laying down different scales for grant of exchange lands have been enunciated in the *marginally noted Government orders. The Government orders even provided for sanction of preparation charges in respect of lands granted in exchange which required initial outlay for being rendered fit for cultivation. Extracts from the Government orders are enclosed.

* Letter No.K.S.S.1247-600 dated 11-5-1928 from the Secretary to Government, K.R.S.
G.O.No.R.62 6421-5/L.R.41-18-25 dated 1-12-1919.
G.O.No.6381-6424/L.R.480-12-1 dated 5-5-1923
G.O.No.7726-8/L.R.337-13-5 dated 30-3-1914.
G.O.No.1581-4/L.R.260-25-4 dated 2-9-1926.
Letter No.1016/K.S.S. dated 17/20-3-1928 from the Secretary to Government, K.R.Sagar Works.

The system of irrigation under all channels in this District except Irwin Canal is seasonal. In the Irwin Canal area, however, the triennial system of irrigation as detailed below is followed and irrigation of the commanded lands is made compulsory under all channels.

One Year: Continuous supply for about 6 months during the monsoon.

Next year: Intermittent supply for about 6 months during the monsoon.

Next Year: Intermittent supply throughout the 12 months.

Separate distributories are allocated each year for regulating the above system of water supply and the crops in the area also rotated consistant with the supply of water in the distributories. No separate applications are sanctioned is necessary for getting irrigation facilities in the area. The allocation of distributories according to the programme will be notified in the tracts well in advance for the guidance of the ryots. The manual rules with regard to the system of irrigation in the Irwin Canal area is still in the stage of compilation in the Secretariat.

E. With a view to find sufficient lands for settling the expropriated ryots the Government, besides availing of all Government waste lands which became irrigable under the new projects, ordered the taking of surrender of not less than 1/3 of the holding of the

ryots which came under command of the channels enumerated in para (a) supra, the procedure adopted in this connection -- being :-

1. not less than 1/3 of the irrigable extent to be surrendered to Government by the owners, in lieu of contribution on an equal extent retained by them.

2. contribution at the rates prescribed to be levied only on the extent remaining over after the above arrangement.

The rate of contribution varies according to the locality and other circumstances governing each project. In the case of Irwin Canal, the contribution is fixed at a sum between Rs.100/- and 150/- per acre depending on the quality of the soil. The rates of contribution on lands under old channels, vary from Rs.60/- to Rs.100/- per acre. To what extent these rates of contribution repay the initial capital cost incurred by Government for opening out new channels or improving and extending the existing one, has to be ascertained from the Public Works Department.

F. Regarding compensation for houses acquired for Krishnarajasagara works, the practice has been to award half the estimated value of the house in cash as compensation, other half being taken as a set off against the value of building materials which the owners are permitted to take. The buildings in the area are generally of ordinary structure and timber, stones and tiles in good conditions can be removed and made use of by the owners. The ryots whose houses were acquired were also allowed cart hire for carrying these materials to the new sites and were granted timber free of cost from the District Forests according to the following scale:-

Amount of award.	Value of timber allowed free of cost.
Below Rs.100/-	5- 8-0
From Rs.100/- to 250/-	7- 8-0
251/- to 500/-	10- 0-0
501/- to 750/-	12- 8-0
751 to 1000/-	15- 0-0
1001/- to 1500/-	17- 8-0
1501/- to 2000/-	20- 0-0
above Rs.2000/-	25- 0-0

The roofing of houses acquired were generally made of beams and bamboos with country tiles over them.

G. The several concessions allowed to the expropriated ryots in the grant of exchange lands have been enumerated in para (c) supra and these ought to satisfy the ryots even now. On account of paucity of lands for being readily granted in exchange, to the ryots, however, money compensation is being awarded in cases in the first instance and lands granted for upset price on the darkhast side as and when the ryots select the same. If a big scheme is taken up now, this procedure cannot perhaps be adopted without creating discontent among the ryots. All available Government waste lands and those obtained in surrender may have to be listed up and exchange lands awarded to the ryots expeditiously.

The special Land Acquisition Officer, Krishnarajasagara Works, Mysore, has furnished the following list of prominent persons for consultation regarding the adequacy or otherwise of the provision made from time to time for the

settlement of displaced ryots :-

1. Sri Lokasevaniratha Bale Siddalingasetty, Merchant, K.R.Nagar Town.

2. Sri Krishnarao Venkata Rao, Jahagirdar, Viceroy Road, Mysore,

3. Sri M.S.Devoji Rao, Krishnarajasagar.

4. Sri Y.V.Gundu Rao, Krishnarajasagar.

5. Sri Tippur Subba Rao, Land Lord, Tippur, K.R.Nagar Taluk.

6. Sri Shambugowda of Chikkayarahalli, K.R.Sagara Post.

"Copy"

Sd/-
for Chief Engineer for Irrigation.

RGY/26.4
compd.by

G.O.No.R.7726-8
L.R.337-13-5 dated
30-3-1914.

Scales for grant of land compensation.

The lands submerged and the submerged are divided into five classes viz. Garden lands, wet lands of 3 qualifies i.e. 1st, 2nd and 3rd and dry lands, and for the purpose of effecting exchange, the following three alternative scales are ordered.

A scale.

One acre of garden land acquired to be given two acres of fresh land with a bonus in cash at the rate of Rs.50/- per acre.

One acre of wet land of 1st quality to be given 1.1/2 acres of fresh land with a bonus in cash at the rate of Rs.30/- per acre.

One acre of wet land of 3rd quality to be given 1.1/2 acres of fresh land with a bonus in cash at the rate of Rs.25/- per acre.

One acre of wet land of 3rd quality to be given 1.1/2 acres of fresh land with a bonus in cash at the rate of Rs.20/- per acre.

One acre of dry land acquired to be given one acre of fresh land with a bonus in cash at the rate of Rs.5/- per acre.

B Scale.

One acre of garden land to be given 1.1/2 acres of fresh land with a bonus in cash at the rate of Rs.100/- per acre.

One acre of wet land of 1st quality to be given 1.1/3 acres of fresh land with a bonus in cash at the rate of Rs.75/- per acre.

One acre of wet land of 2nd quality to be given 1.1/4 acres of fresh land with a bonus in cash at the rate of Rs.50/- per acre.

One acre of wet land of 3rd quality to be given 1.1/5 acres of fresh land with a bonus in cash at the rate of Rs.30/- per acre.

One acre of dry land to be given one acre of fresh land with a bonus in cash at the rate of Rs.5/- per acre.

C scale.

One acre of garden land to be given one acre of fresh land plus a bonus in cash at the rate of Rs.150/- per acre.

One acre of wet land of 1st quality to be given one acre of fresh land plus a bonus in cash at the rate of Rs.100/- per acre.

One acre of wet land of 2nd quality to be given one acre of fresh land plus a bonus in cash at the rate of Rs.75/- per acre.

One acre of wet land of 3rd quality to be given one acre of fresh land plus a bonus in cash at the rate of Rs.50/- per acre.

In the case of inam villages where exchange of lands will invariably have to be granted on the same tenure at that of the acquired land scale C.

G.O.No.1581-4/L.R.260-25-4 dated 2-9-1926.

The special land acquisition officer is authorised to grant wet or garden lands in exchange for dry lands acquired and vice versa in the following scale.

(a) In lieu of dry lands acquired grant of irrigable wet land in the proportion of one acre of wet land to six acres of dry lands is authorised.

(b) In exchange for garden or wet land acquired grant of dry extent in the proportion of 5 acres of dry land to one acre of wet land is authorised.

Letter No.1016/KSS,dt. 17/20-3-1928 from the Secretary to Govt., K.R.,Sagara works.

(x)

1. Mandagere channel.
2. Hemagiri channel.
3. Chamaraja Right Bank Channel.

Government have also authorised the award of exchange irrigable dry land upto 3 acres under the marginally (x) noted channels for every acre of submerged wet or garden land, due regard being had to the quality of land submerged and of the land awarded in exchange on the understanding.

1. That three acres of irrigable dry land in exchange for one acre of wet ~~xx~~ would be the maximum each case being considered on its merit.

2. That there will be no increase in the amount of bonus, payable in cash.

Letter No.KSS.1247-600 dt. 11-5-28 from the Secy.to Govt.,K.R.S.

The above ration of awarding exchange lands may be made applicable in all deserving cases.

G.O.No.6381-6424/L.R. 480-12-1 dt. 5-5-1923.

G.O.No.R.6421-L.R.41-18-25 dt.1-12-1919.

Preparation charges: where land taken up is inferior in quality to that given in exchange, supplementary money grant not exceeding a fixed scale may also be made to the ryots. Where land given in exchange is new and requires some initial outlay to render it fit for purposes of cultivation. Where the land awarded is more than 1.1/2 feet above the bed level of the channels extra preparation charges will be paid as follows :-

From 1.1/4 to 2.1/2 ft. Rs.50/- per acre
" 2.1/2 to 3.1/2 " Rs.100/- -do-

If the land is more than 3.1/2 feet above the level of the channel it is not worth while attempting to lower it so as to make it irrigable.

G.O.No.R.6421-5.L.R. 41-18-25 dt.1-12-1919

In all cases where the land awarded i.e. 1.1/2 ft. above the bed of the channel, if the awardee prefer to resign the land and take up land elsewhere, instead of receiving extra preparation charges specified above even this may be allowed.

G.O.No.7726-8.L.R.337-13-5 dt.30-3-1914.

Preparation charges is, as a rule, to be paid on the extent of land given in exchange and not on the extent submerged.

But no preparation charges will be paid on any extent granted in excess of the submerged land.

When dry lands are given in exchange for wet lands or vice versa the preparation charges may be paid on the acquired extent or the awarded extent whichever is less.

Sd/- M.Gundappa,
Spl.Land Acqn. Officer,
K.R.S.& I.D.Works,Mysore.

No.Bm/Daddi

Office of the Superintending Engineer
Karnataka Irrigation Circle,
Dharwar, 28½ April 1949.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Daddi Dam Project -
Resettlement of displaced people
on the --

P71 47383/36

Reference : Continuation of this office No.Bm/Daddi dated the 28th December 1948.

2. I attach herewith copy of a note on resettlement of displaced Ryots i.e. owners of submerged lands in Mysore -- State for information of Government. I consider that the - question of lands submerged is of far more importance now than the design of the dam itself as the former costs much more - than the latter. It has to be borne in mind that the cost of lands submerged by the Daddi Dam was valued by the Revenue Department at 5 crores just a few years ago while this figure has now been reduced to about 2 crores and a half.

3. The question of resettlement and exchange of lands can hardly be disposed of properly and suitable recommendations made unless the final valuation is known fairly correctly. Although the present valuation made by the Collector may look more attractive due to reduction by 50 per cent, one begins to wonder whether another valuation may result in an increase of valuation to 8 crores or even 10 crores. This matter has been referred to Government in this office -- No.Bm/Daddi dated the 4th March 1949 and to the Commissioner, Southern Division, under this office Confidential No.Bm/Daddi dated the 6th March 1949 (copy sent under this office confidential No.Bm/Daddi dated the 26th March 1949).

4. I had already pointed out that to allow the Mysore method of resettlement to be followed here, it is also -- essential that the pattern of irrigation here is comparable to that in Mysore. This is not so. There, irrigation is - compulsory and certain proportion of lands is required to be given to Government as betterment value. This alone can allow land to be given to ousted cultivators. The Government of Bombay have not yet decided their final scheme for pattern of Irrigation rates and betterment tax, cess etc., but from the report of Cabinet Sub-Committee, it would appear that the pattern will be comparable to that of Mysore. That, however, will be known only after Government take final decision.

5. It is therefore premature to make recommendations about rehabilitation. However, I make the following proposals tentatively :-

(1) The best method to resettle the ousted population appears to be to give them lands in exchange under the area under command of the new canal viz. Ghataprabha Left Bank Canal and also Ghataprabha Right Bank Canal if constructed. The Cabinet Sub-Committee appointed by Government have already proposed that 50 per cent of unearned increased value of land should be recovered from owners in the form of land ~~(at the pre-project rates)~~. It should be easy to give some of these to the persons to be resettled, by suitable groupings.

(2) ...

(2) Regarding houses too, I consider that it will be best for Government to construct new houses of a sanitary type by forming new village sites for the ousted population in the very villages where they will be given lands. This will not only be in the interest of the ousted population but may, perhaps, also save on money.

).A.Copy of Note.

Superintending Engineer,
Karnatak Irrigation Circle.

RGY/26.4
compd.by. 26-4

I.B.(II) p 215 post

For disposal pl. see serial no. 29468.

16/5/49

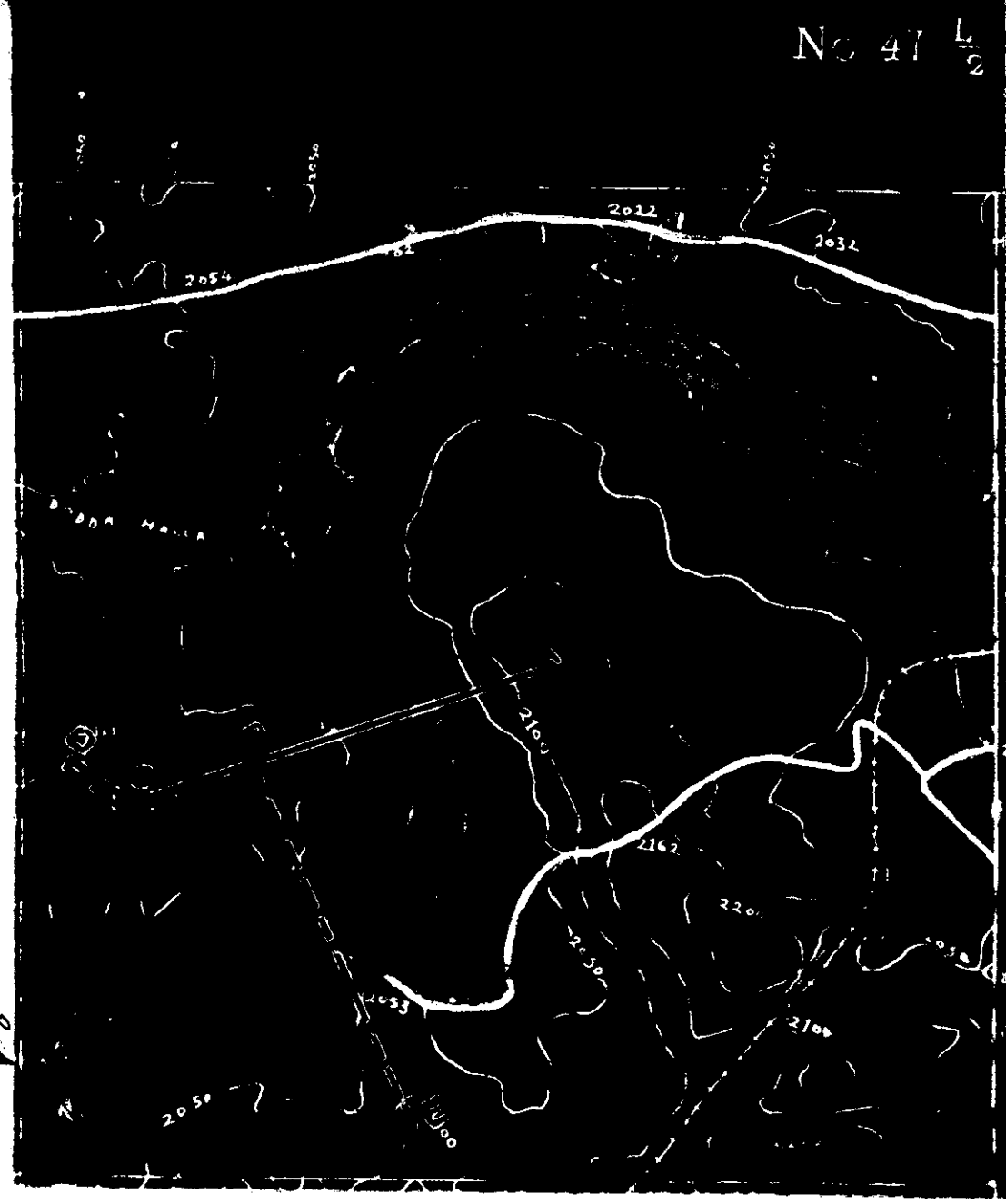
I(II) 2/5

8151/36

29330

2/5

No 41 1/2 209 SHEET No. 1.



GHATAPRABHA VALLEY
PROPOSED DAM SITE
NEAR KHANAPUR.

Scale:- 1" = 1 mile.

N
Khanapur

Note:- Proposed Dam Site shown thus ____

Ghotgeri site is shown thus ___

SUPERINTENDING ENGINEER
KARNTAK IRRIGATION
CIRCLE

D. N. Paranjpe 27/
DEPUTY ENGINEER
R.I.P.SUB-DIVISION
DHARWAR

GHATAPRABHA VALLEY

PROPOSED DAM SITE NEAR SHITLIHALLI

~~KOTI~~

Scale: 1" = 1 mile.

Note:- (1) Proposed Dam site is ~~old~~ shown thus ———

(2) Hadalga site is shown thus ——— . ——— . ———

(3) The ~~east line~~ Tungabhadra-Ghataprabha watershed is shown thus . . . . .

(4) ~~Saddle~~ line is shown thus : — — — — —

SUPERINTENDING ENGINEER
KARNATAK IRRIGATION
CIRCLE.

D.A. Patwardhan 4/4
DEPUTY ENGINEER
R.I.P. SUB-DIVISION
DHARWAR.

Ghataprabha Valley Development Project in Belgaum Dist. P.W.D I.B.(I)

Submitted (together with serial Nos.27394, 28413, 28607 and 29330). p.193 p.196 p.200 p.208

2. Serial Nos.28607 and 29468 : Further developments in the matter may be awaited. p.200 p.214

3. Serial Nos.27394, 28413 and 29330 : The points at issue in these papers are: - p.193 p.196 p.208

(a) Appointment of a special Land Valuation Officer.

(b) Resettlement of the people displaced by construction of the project.

(c) Issue of a press note about the present position of the project.

Point (a):- It was proposed that a special Land Valuation Officer should be appointed to give a correct estimate of the cost of land that would be acquired for the whole of the Ghataprabha Valley Development Project and not in respect of Gh.L.B. Scheme only, as stated in the beginning of the R.D. office note. In view of the portion side-lined 'A' of the R.D. note, the S.E.,K.I.C., may be asked whether he considers the appointment of a special Land Valuation Officer in addition to the special Land Acquisition Officer appointed for the Gh.L.B.C. scheme is still necessary and if so, to submit his proposals to Govt. in the R.D., through the Commr. S.D., justifying his proposals. pp.187-190 p.193 p.193

Point (b) : This problem is not peculiar only to this irrgn.project. It is desirable to follow a common policy in the matter in respect of all irrgn. projects in this Province. The S.Es. of circles concerned with irrgn. projects may, if appd., be asked to submit their proposals in the matter through the Commrs. of Dns. concerned.

Point (c) ....

(4) ~~Point (c) : In this connection~~, pl. see reply to clause 4 of Mr. A .J.Doddameti's question in the Bombay Legislative Assembly. Since, all the States, including Kolhapur State, concerned with the project have integrated with this Province, it is for consideration whether a press note detailing the present position of the project may be issued now or after the work is actually started on the project.

5. The S.E.,K.I.C's. endt. dated the 26-4-'49 need not be treated as confidential.

Thro. D.E.(I).

BDD. 16/5/49

VDD. 16-5-49.

On (1) Serial nos. 28607 + 29468 further developments may be awaited.

(3) Serial no. 27394, 28413 + 29330.

The points at issue in these papers are

(a) appointment of a special land officer

(b) Resettlement of the people displaced on account of the lands submerged under lakes and required for other constructional works.

(a) whether the special land acquisional officer works under P.W.D. or R.D, the cost of the lands & houses etc to be acquired, is not affected, moreover there is already heavy work in P.W.D. so the S.L.A.O should work in R.D. The only thing that is gained by appointing a S.L.A.O. is that he can concentrate on the particular work of the project under construction as otherwise other officer gives little attention to the project work. being engrossed in his routine work. Now that a S.L.A.O has been appointed on G.L.B.C. works, a special Land Valuation Officer on the same work is unnecessary. The S.E. K.I.C. may pl be informed accordingly.

I agree KJ 23/5/49

No.G-118

Office of the Superintending Engineer
Karnatak Irrigation Circle,
Dharwar, 28th April 1949.

To

The Secretary to Government,
Public Works Department, Bombay.

Subject:- Storage Tanks.
1) A new site at Hadalga permitting Irrigation-cum-Hydro-electric scheme.
2) Sites near Ghodgeri.
Importance of relief model for investigation of --

x'n file 10924/36 req: construction of relief model for Karnatak Rivers is under submission on separately.

Reference : This office No.M.I.(1)/217 dated the 4th February 1948 and No.M.I.(1) dated the 19th June 1948.

2. The preparation of the relief map 1 mile equal to 1" has been very useful in more directions than one. Not only has it an educational value but it actually helps to give new ideas about alignments of canals and sites for dams.

3. As an outcome of study of the relief map, I noticed that a better site was available at Hadalga by shifting the site a mile or so lower down. This allows a suitable site for a tunnel so that the waters from Ghataprabha would drop into Hiranyakeshi through a tunnel in the ridge and allow a hydro-electric scheme with a head of 250 to 300 ft. or so.

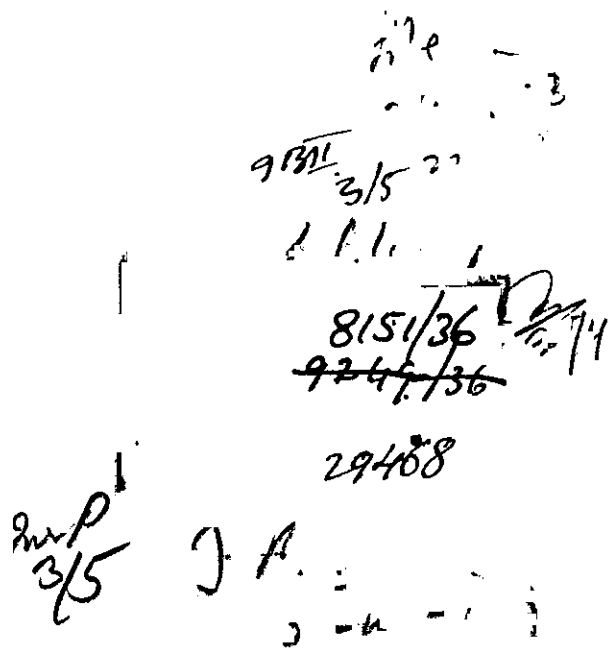
4. Another site was noticed at Ghodgeri on Ghataprabha and one further down. These are being investigated.

or Ghotgeri ?

D.A. [redacted]

Superintending Engineer,
Karnatak Irrigation Circle.

RGY/26.4
compd.by.



The cost of the project consists of two main factors.

(1) Cost of Engineering works.

and

(2) Cost of lands etc to be acquired.

Cost of (1) depends on geological conditions + the configuration of the country while cost of (2) depends on the lands, towns, villages etc developed for immemorable years.

It is seldom that in a project both these conditions are favorable therefore alternatives will have to be worked for costs of both factors combined. and sometimes when costly lands are submerged it will be better in such cases to avoid reservoir schemes but be satisfied only with pick up weirs + canals utilising flood waters to the areas having scanty or insufficient rains or where rains are wanting at the appropriate time. Moreover in a reservoir scheme, the proportion of $\frac{\text{good lands commanded}}{\text{good lands submerged}}$ is important. and the Scheme will pay if the proportion is more than four.

I am afraid that no such general conclusion can be drawn. The construction of a reservoir, even though it may involve submergence of costly land, may have to be undertaken provided the benefits accrued from the scheme as a whole are substantial. Besides if such a principle is laid down, it will be difficult to fully utilize the water potentiality of the Nation

K/23/5/49

(b) Resettlement of the people.

The betterment levy which is under consideration of the Govt if assessed, will be the acceptance of the policy of Govt, that all lands whether commanded or submerged are nationalised and it is then possible, that a good portion of commanded area will be available for distributing to the displaced farmers

or (2) a good portion of project Cost can be given to the displaced farmers as Compensation. The S.Es on Project may pl be referred to offer their opinions on this point.

I do not think it necessary to call for the remarks of the S.Es on this point at this stage. It is better to examine this question after Govt orders on the Cabinet Sub Committees' recommendations, are issued

Kfs 23/5/49

(4) until the scheme of the dam is finalised, a press note detailing the present position of the project is not necessary.

I agree

Kfs/5/49

(5) The J.E.'s note dtd 26.4.49 need not be treated as confidential.

I agree

Kfs/5/49

PKJ 17.5.49 pcl 9

Margins.

D.S

Kfs/5/49

Our new canals are going the seasonal canals. The lands the submerged are rice lands. The exchange of lands for seasonal crops is not going to appeal

Secy (I)

the land owner whose lands will be
by the present Schemes.

I have seen the Ajra site yesterday. The site at Hadalga is reported the ideal as it is a very narrow gorge. When these sites are being investigated, it seems now futile to further persue the question of Daddi site, as the Combined storages of these two sites might be sufficient for our needs for a long time. The possibility that these dams could be made of earth should be seriously considered with a view to keep down costs.

Incidentally PHE should be asked to place 4 Acker drills at the disposal of SEKIC for investigation work.

26-6-

Jun P.
30/6

the land owner whose lands will be submerged by the present Schemes.

I have seen the Ajra site yesterday. The site at Hadalga is reputed the ideal as it is a very narrow gorge. When these sites are being investigated, it seems now futile to further pursue the question of Daddi site, as the combined storages of these two sites might be sufficient for our needs for a long time. The possibility that these dams could be made of earth should be seriously considered with a view to keep down costs.

Incidentally PHE should be asked to place 4 Acker drills at the disposal of SEKIC for investigation work.

26-6-69

Supdg.
5-7-69

I.B.(II)

P.W.D.

Resubmitted with the necessary drafts for

appl. Thro. S.E.(I).

7/7/49

D.S.

Secy (Irrig.)

Letter

8151/36/29468

No. 8151/36-III-J.B.(I)(i).

P.W.D.,
B.C., 11 July 1949

To

The S.E., K.I.C.

Subject :- Ghataprabha Valley Development Project.

Ref :- Correspondence ending with your letter No. G-118, dated the 28-4-49. p 213 ante.

2. Since the Special Land Acquisition Officer has already been appointed for the Ghataprabha Left Bank Canal Scheme, it is considered unnecessary to have a Special Land Valuation Officer for the Ghataprabha Valley Development Project which you had suggested in your letter No. Bm/Daddi, dated the 4-3-49. p 81 ante

3. The new canals will be only seasonal canals. The lands that will be submerged under the G.V.D.P. are rice lands. The exchange of these lands with those of seasonal crops under command of the new canals, as proposed in your letter No. Bm/Daddi, dated the 28-4-'49, will not appeal to the land-owners whose lands will be submerged by the present schemes. The question of resettlement of the people displaced by the Irrgn. Projects will be examined after issue of orders on the Cabinet Sub-Committees recommendations. p 207 ante.

4. When the sites at Ajra and Hadalga are being investigated, it is considered unnecessary to pursue

to persue further the question of Daddi site. The combined storage of these two sites might be sufficient to meet the requirements for a long time. You are requested to consider seriously ~~the possibility~~ (with a view to keep down costs) whether these dams could be made of earth and to submit your report to Govt in the matter in consultation with the Ex. Engr. Storage Dn. Yellapur

D.A. Nil.

By order etc.

Copy forwarded to the Ex. Engr., Ghataprabha Left Bank Canal Dn.

BSM. 7/7/49

Kfs/7/49

MG/9.7.49

DS

Secy (Irrig.) (2 Branch)

Urgent

Letter

No. 8151/36-III-J.B.(II)

P.W.D., in B.C., 1st July 1949

To

The P.H.E. to Govt.

Subject :- Drills regd. for the Ghataprabha Valley Development Project.

~~The S.E., K.I.C., Dharwar, is in need of 4 Acker drills to carry out the investigation work of the Gh. V.D.P.~~ You are requested to place 4 Acker drills at the disposal of the S.E., K.I.C. for investigating the dam sites on the Ghatprabha under intimation to this office, at a very early date.

D.A. Nil. Hiranyakeshi Rivers

By order etc.

copy forwarded to

the S.E., K.I.C.,
the Ex. Engr., Gh. L.B.C. Dn.,

for information.

BSM. 7/7/49

Kfs/7/49

MG/9.7.49

DS.

Secy (Irrig.)

Letter.

No.8151/36-III-I.B.(II).(1). Public Works Department,
Bombay Castle, 11th July 1949.

To

The Superintending Engineer, Karnatak Irrigation Circle.

Subject:-Ghataprabha Valley Development Project.

.....

Reference:Correspondence ending with your letter No.G-118, dated the 28th April 1949.

2. Since the Special Land Acquisition Officer has already been appointed for the Ghataprabha Left Bank Canal Scheme, it is considered unnecessary to have a Special Land Valuation Officer for the Ghataprabha Valley Development Project which you had suggested in your letter No.Bm/Daddi, dated the 4th March 1949.

3. The new canals will be only ~~seanal~~ seasonal canals. The lands that will be submerged under the Ghataprabha Valley Development Project are rice lands. The exchange of these lands with those of seasonal crops under command of the new canals, as proposed in your letter No.Bm/Daddi, dated the 28th April 1949, will not appeal to the land-owners whose lands will be submerged by the present schemes. The question of resettlement of the people displaced by the Irrigation Projects will be examined after issue of orders on the Cabinet Sub-Committees recommendations.

4. When the sites at Ajra and Hadalga are being investigated, it is considered unnecessary to pursue further the question of Daddi site. The combined storage of these two sites might be sufficient to meet the requirements for a long time. You are requested to consider seriously (with a view to keep down costs) whether these dams could be made of earth and to submit your report to Government in the matter in consultation with Executive Engineer, Gangapur Storage Division.

By order of the Governor of Bombay,

11/7/49.

for Secretary to the Government of Bombay,
Public Works Department.

D.A.-Nil.

Copy forwarded to the Executive Engineer, Ghataprabha Left Bank Canal Division.

ISSUED
12.7.49

LBW/11/7
4.

Letter.

Urgent.
No.8151/36-III.I.B.(II)(ii). Public Works Department,
Bombay Castle, 11th July 1949.

To

The Public Health Engineer to Government.

Subject:-Drills required for the Ghataprabha Valley Development Project.

....

You are requested to place 4 Aeker drills at the disposal of the Superintending Engineer, Karnatak Irrigation Circle for investigating the dam sites on the Ghatprabha and Hiranyakeshi Rivers under intimation to this office, at an very early date.

By order of the Governor of Bombay,

11/7/1949.

for Secretary to the Government of Bombay,
Public Works Department.

D.A.-Nil.

Copy forwarded to -

the Superintending Engineer, Karnatak Irrigation Circle,
the Executive Engineer, Ghataprabha Left Bank Canal Division,

for information.

RECEIVED
on 12/7/1949

LBW/11/7
4.

No B.W.1422/7995 of 1949,
Poona 1, 4th August 1949.

To

The Secretary to Government,
Public Works Department, Bombay.

Sub:- GHATAPRABHA VALLEY DEVELOPMENT PROJECT - DRILLS REQUIRED FOR THE -

Reference: G.L. No. 8151/36-III-I-B(II)(ii), dated 11-7-49.

2. There are in all Six Acker Drills with this department at present located at sites mentioned hereunder:-

Acker No.	6	- Khambe (Distt. Kolaba).
Acker No.	7	- Roti Nala (Distt. Poona). This work is complete. The machine is earmarked for Venkatpur work.
Acker No.	9	- Mahi Canal Construction.
Acker No.	10	- Kakarpara (Distt. Surat).
Acker No.	12	- Jamkhindi (New).
Acker No.	13	-- Dapuri (New).

3. Out of these machines, Acker No.13 is at present idle and can, therefore, be spared for the above project. I am asking the Superintending Engineer, Karnatak Irrigation Circle, to arrange for transporting at the proper site.

4. We have already received from America, 6 machines per s.s. Harpagaon and City of Windsor, and these are under clearance. I expect to receive these drills during the course of this month. Out of these, 3 more machines will be spared for the Superintending Engineer, Karnatak Irrigation Circle.

XX
Public Health Engineer
to Government.

D.A. Nil.
DWK/2-8-49.

Copy forwarded with compliments, to the Superintending Engineer, Karnatak Irrigation Circle. Please let me know the station to which the drilling machines should be booked. If 2 motor trucks can be spared, it will be desirable to send the machine by road.

Copy forwarded with compliments, for information, to-

1. The Ex. Engineer, Ghataprabha Left Bank Canal Dn.,
-do- Northern P.H.Works Dn., Surat.
3. The S..D.O., Boring Works Sub-Divn., Asarwa, Ahmedabad 11.
4. The Sectional Officer, Boring Works Section, Dapuri.

I.B.(II)

P.W.D.

Submitted for information

P 223 ante

Await.

19/8/49

KJ 19/8/49

DS